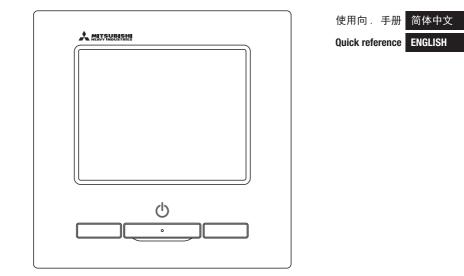
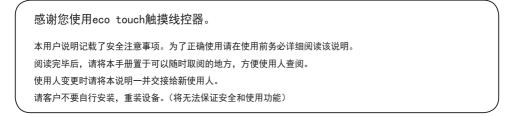
# eco touch 触摸线控器 RC-EXC3A 使用向. 手册





# **REMOTE CONTROL** QUICK REFERENCE

# INSTALLATION

For the operation part of this Quick reference refer to page 20. Refer to the "Installation manual" on the following web site for details. http://www.mhi-mth.co.jp/en/products/detail/air-conditioner\_users\_manual.html

# Contents

1. Safety precautions ····· 2
2 . Accessories & Prepare on site 5
3 . Installation place 5
4 . Installation procedure
5 . Main/Sub setting when more than
one remote control are used 8
6 . Power on and initial setting
7 . Menu items ·····10
8 . Installation settings and test run11
9 . R/C function settings······13
10. IU settings15
11 . Service & Maintenance ······18

### 1. Safety precautions

Please read this manual carefully before starting installation work to install the unit properly. Every one of the followings is important information to be observed strictly.

∕. ₩ARNING	Failure to follow these instructions properly may result in serious	
	consequences such as death, severe injury, etc.	
	Failure to follow these instructions properly may cause injury or property damage.	

It could have serious consequences depending on the circumstances.

The following pictograms are used in the text.



Never do.



Always follow the instructions given.

Keep this manual at a safe place where you can consult with whenever necessary. Show this manual to installers when moving or repairing the unit. When the ownership of the unit is transferred, this manual should be given to a new owner.

	<u>∧</u> WARNING
0	Consult your dealer or a professional contractor to install the unit. Improper installation made on your own may cause electric shocks, fire or dropping of the unit.
0	Installation work should be performed properly according to this installation manual. Improper installation work may result in electric shocks, fire or break-down.
0	Be sure to use accessories and specified parts for installation work. Use of unspecified parts may result in drop, fire or electric shocks.
0	Install the unit properly to a place with sufficient strength to hold the weight. If the place is not strong enough, the unit may drop and cause injury.
0	Be sure to have the electrical wiring work done by qualified electrical installer, and use exclusive circuit. Power source with insufficient and improper work can cause electric shock and fire.
0	Shut OFF the main power supply before starting electrical work. Otherwise, it could result in electric shocks, break-down or malfunction.
$\bigcirc$	Do not modify the unit. It could cause electric shocks, fire, or break-down.
0	Be sure to turn OFF the power circuit breaker before repairing/ inspecting the unit. Repairing/inspecting the unit with the power circuit breaker turned ON could cause electric shocks or injury.

	<u>∧</u> WARNING
$\bigcirc$	Do not install the unit in appropriate environment or where inflammable gas could generate, flow in, accumulate or leak. If the unit is used at places where air contains dense oil mist, steam, organic solvent vapor, corrosive gas (ammonium, sulfuric compound, acid, etc) or where acidic or alkaline solution, special spray, etc. are used, it could cause electric shocks, break-down, smoke or fire as a result of significant deterioration of its performance or corrosion.
$\bigcirc$	Do not install the unit where water vapor is generated excessively or condensation occurs. It could cause electric shocks, fire, or break-down.
$\bigcirc$	Do not use the unit in a place where it gets wet, such as laundry room. It could cause electric shocks, fire, or break-down.
$\bigcirc$	Do not operate the unit with wet hands. It could cause electric shocks.
$\bigcirc$	Do not wash the unit with water. It could cause electric shocks, fire, or break-down.
0	Use the specified cables for wiring, and connect them securely with care to protect electronic parts from external forces. Improper connections or fixing could cause heat generation, fire, etc.
0	Seal the inlet hole for remote control cable with putty. If dew, water, insect, etc. enters through the hole, it could cause electric shocks, fire or break-down. If dew or water enters the unit, it may cause screen display anomalies.
0	When installing the unit at a hospital, telecommunication facility, etc., take measures to suppress electric noises. It could cause malfunction or break-down due to hazardous effects on the inverter, private power generator, high frequency medical equipment, radio communication equipment, etc. The influences transmitted from the remote control to medical or communication equipment could disrupt medical activities, video broadcasting or cause noise interference.
0	<b>Do not leave the remote control with its upper case removed.</b> If dew, water, insect, etc. enters through the hole, it could cause electric shocks, fire or break-down.

	<u> </u> CAUTION
$\bigcirc$	<ul> <li>Do not install the remote control at following places.</li> <li>(1) It could cause break-down or deformation of remote control. <ul> <li>Where it is exposed to direct sunlight</li> <li>Where the ambient temperature becomes 0 °C or below, or 40 °C or above</li> <li>Where the surface is not flat</li> <li>Where the strength of installation area is insufficient</li> </ul> </li> <li>(2) Moisture may be attached to internal parts of the remote controller, resulting in a display failure. <ul> <li>Place with high humidity where condensation occurs on the remote controller</li> <li>Where the remote controller gets wet</li> </ul> </li> <li>(3) Accurate room temperature may not be detected using the temperature sensor of the remote controller. <ul> <li>Where the average room temperature cannot be detected</li> <li>Place affected by outside air in opening/closing the door</li> <li>Place exposed to direct sunlight or wind from air conditioner</li> <li>Where the difference between wall and room temperature is large</li> </ul> </li> <li>(4) When you are using the automatic grille up and down panel in the IU, you may not be able to confirm the up and down motion. <ul> <li>Where the IU cannot be visually confirmed</li> </ul> </li> </ul>

Same time.

It could cause malfunction or break-down of the remote controller/personal computer.

### 2. Accessories & Prepare on site

#### Following parts are provided

Accessories R/C

R/C main unit, wood screw (ø3.5 x 16) 2 pcs, Quick reference

Following parts are arranged at site. Prepare them according to the respective installation procedures.

Item name	Q'ty	Remark	
Switch box For 1 piece or 2 pieces (JIS C8340 or equivalent)	1		
Thin wall steel pipe for electric appliance directly on a wall. (JIS C8305 or equivalent)	As required	These are not required when installing directly on a wall.	
Lock nut, bushing (JIS C8330 or equivalent)	As required		
Lacing (JIS C8425 or equivalent)	As required	Necessary to run R/C cable on the wall.	
Putty	Suitably	For sealing gaps	
Molly anchor	As required		
R/C cable (0.3 mm <sup>2</sup> x 2 pcs)	As required	See right table when longer than 100 m	

When the cable length is longer than 100 m, the max size for wires used in the R/C case is 0.5 mm2. Connect them to wires of larger size near the outside of R/C. When wires are connected, take measures to prevent water, etc. from entering inside.

≦ 200 m	0.5 mm <sup>2</sup> x 2-core
≦ 300m	0.75 mm <sup>2</sup> x 2-core
≦ 400m	1.25 mm <sup>2</sup> x 2-core
<b>≦</b> 600m	2.0 mm <sup>2</sup> x 2-core

### 3. Installation place

Secure the installation space shown in the figure.

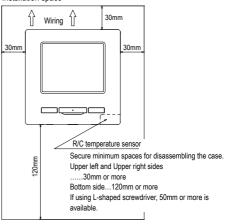
For the installation method, "embedding wiring" or "exposing wiring" can be selected.

For the wiring direction, "Backward", "Upper center" or "Upper left" can be selected.

Determine the installation place in consideration of the installation method and wiring direction.

If you decide to use the automatic grille up and down panel in the IU, make sure you place the IU where you can visually confirm the up and down motion of the grille.

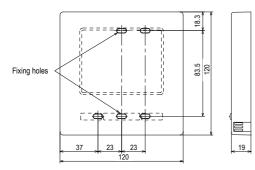
#### Installation space



### 4. Installation procedure

Perform installation and wiring work for the remote controller according to the following procedure.

Dimensions (Viewed from front)



To disassemble the R/C case into the upper and lower pieces after assembling them once

 $\cdot$  Insert the tip of flat head screwdriver or the like in the recess at the lower part of R/C and twist it lightly to remove. It is recommended that the tip of the screwdriver be wrapped with tape to avoid damaging the case.

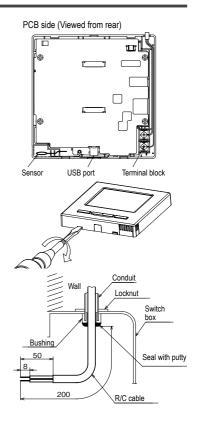
Take care to protect the removed upper case from moisture or dust.

In case of embedding wiring

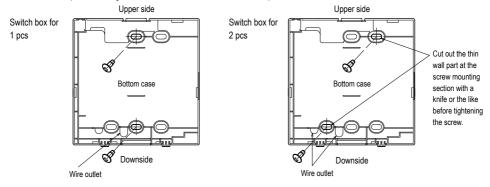
(When the wiring is retrieved "Backward")

1 Embed the switch box and the R/C wires beforehand.

Seal the inlet hole for the R/C wiring with putty.



(2) When wires are passed through the bottom case, fix the bottom case at 2 places on the switch box.



③ Connect wires from X and Y terminals of R/C to X and Y terminals of indoor unit. R/C wires (X, Y) have no polarity. Fix wires such that the wires will run around the terminal screws on the top case of R/C.

④ Install the upper case with care not to pinch wires of R/C.

#### Cautions for wire connection

Use wires of no larger than 0.5 mm2 for wiring running through the remote control case. Take care not to pinch the sheath.

Tighten by hand (0.7 N·m or less) the wire connection. If the wire is connected using an electric driver, it may cause failure or deformation.

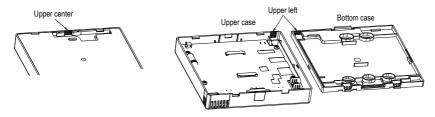
In case of exposing wiring

(When the wiring is taken out from the "upper center" or "upper left" of R/C)

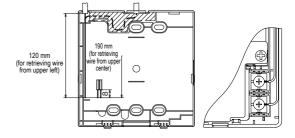
(1) Cut out the thin wall sections on the cases for the size of wire.

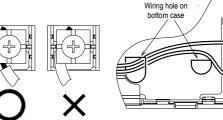
When taking the wiring out from the upper center, open a hole before separating the upper and bottom cases. This will reduce risk of damaging the PCB and facilitate subsequent work.

When taking the wiring out from the upper left, take care not to damage the PCB and not to leave any chips of cut thin wall inside.



- ② Fix the bottom R/C case on a flat surface with two wood screws.
- ③ In case of the upper center, pass the wiring behind the bottom case. (Hatched section)
- ④ Connect wires from X and Y terminals of R/C to X and Y terminals of indoor unit. R/C wires (X, Y) have no polarity. Fix wires such that the wires will run around the terminal screws on the top case of R/C.
- (5) Install the top case with care not to pinch wires of R/C.
- (6) Seal the area cut in (1) with putty.



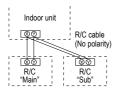


### 5. Main/Sub setting when more than one remote control are used

Up to two units of R/C can be used at the maximum for 1 indoor unit or 1 group.

One is main R/C and the other is sub R/C.

Operating range is different depending on the main or sub R/C.



Set the "Main" and "Sub" as described at Section 8.

R/C operation			Main	Sub	R/C
Run/Stop, Ch Change flap o speed operat	0	0	Serv setti		
High power o	peration, En	ergy-saving operation	0	0	
Silent mode of	control		0	×	
Useful	Individual fl	ap control	0	×	
functions	Anti draft se	etting	0	×	
	Timer		0	0	
	Favorite se	tting	0	0	
	Weekly tim	er	0	×	
	Home leave	e mode	0	×	
	External ve	ntilation	0	0	
	Select the I	anguage	0	0	
	Silent mode	e control	0	×	
Energy-savin	g setting		0	×	
Filter	Filter sign r	eset	0	0	
	Grille Up ar	nd Down	0	0*	
User setting	Initial settin	gs	0	0	
	Administrator settings	Permission/ Prohibition setting	0	×	
		Outdoor unit silent mode timer	0	×	
		Setting temp range	0	×	
		Temp increment setting	0	x	
		Set temp display	0	0	
		R/C display setting	0	0	
		Change administrator password	0	0	
		F1/F2 function setting	0	0	

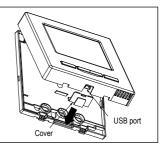
Prations     Main     Sub- settings       Installation settings     Installation date     ○     ×       Company information     ○     ×       Static pressure adjustment     ○     ×       Change auto-address     ○     ×       Address setting of main IU     ○     ×       Motion sensor setting Motion sensor setting Settings     ○     ×       R/C function     Main/Sub of R/C     ○       R/C function     Main/Sub of R/C     ○       R/C function     Main/Sub of R/C     ○       Return air temp     ○     ×       R/C sensor adjustment     ○     ×       Qperation mode     ○     ×       Vernilation setting     ○     ×       Auto temp setting     ○     ×       Auto temp setting     ○     ×       Maintenance     Ill address     ○       Maintenance     Ill address     ○       Maintenance     Reservice data     ○       Rester periodical check     ○       Service & all     Ill address     ○ <th></th> <th></th> <th></th> <th><ul> <li>: operable ×: n</li> </ul></th> <th>ot ope</th> <th>erable</th>				<ul> <li>: operable ×: n</li> </ul>	ot ope	erable
settings       Company information       ○       ○         Test run       ○       ×         Static pressure adjustment       ○       ×         Address setting of main IU       ○       ×         Address setting of main IU       ○       ×         Motion sensor setting       ○       ×         Motion sensor setting       ○       ×         Operation for Crille Up & Down       ○       ×         R/C function       Nain/Sub of R/C       ○       ×         R/C sensor       ○       ×       R/C sensor adjustment       >       ×         R/C sensor adjustment       ○       ×       C/er#       ○       ×         External input       ○       ×       Xuper/lower flap control       >       ×         Leftright flap control       ○       ×       Auto fan speed       ○       ×         Auto fan speed       ○       ×       ×       Auto fan speed       ○       ×         Service &       IU address       ○       ○       ×       Auto fan speed       ○       ×         Maintenance       Next service date       ○       ×       ×       Dipelaylerase       ∞       ×	eratior	IS			Main	Sub
Contraction     Contraction     Contraction     Contraction       Static pressure adjustment     Contraction     X       Static pressure adjustment     X     X       Address setting     X     X       IU back-up function     X     X       Motion sensor setting     X     X       Return air temp     X     X       RC sensor     X     X       Qperation mode     X     X       Qperation mode     X     X       Qperation mode     X     X       Qipperation mode     X     X       Qipperation mode     X     X       Qipperation mode     X     X       Qipperation mode     X     X       Auto-restart     X				Installation date		
Static pressure adjustment      ×       Change auto-address      ×       Address setting of main IU      ×       IU back-up function      ×       Motion sensor setting      ×       Operation for Grille Up & Down         RUC function     Main/Sub of R/C         Return air temp      ×       R/C sensor      ×       R/C sensor adjustment      ×       Qeration mode      ×       Qeration mode      ×       Qeration mode      ×       Yernitation setting      ×       Leftright flap control      ×       Auto restart      ×       Auto fan speed      ×       Auto fan speed      ×       Auto fan speed      ×       Auto fan speed      ×       Maintenance     Net     ×       Maintenance      ×       Rest periodical check         Operation data         Nestings      ×       Reset periodical check         Operation data      ×    <		settings	Compan	0	0	
Change auto-address          ×           Address setting of main IU          ×           IU back-up function          ×           Motion sensor setting          ×           Operation for Cnills          ×           R/C function         Rain/Sub of R/C             Return air temp          ×           R/C sensor          ×           R/C sensor adjustment          ×           R/C sensor adjustment          ×           Para speed          ×           Leftright flap control          ×           Leftright flap control          ×           Auto fan speed          ×           Auto temp setting          ×           Auto fan speed          ×           Auto fan speed          ×           Coperation data          ×			Test run	0	x	
Address setting of main IU      ×       IU back-up function      ×       Motion sensor setting Operation for Grille Up & Down         RC function     Main/Sub of RC         Return air temp      ×       R/C sensor adjustment      ×       Qreration mode      ×       Ventilation setting      ×       Auto-restart      ×       Maintenance     INext service date        Operation data       ×       Reset periodical check       ×       Reset periodical check       ×       Reset periodical dress       ×    <			Static pr	0	x	
IU back-up function          ×           Motion sensor setting          ×           Operation for Grille Up & Down             RC function         Main/Sub of R/C             Return air temp          ×           R/C sensor          ×           R/C sensor          ×           R/C sensor adjustment          ×           Qeration mode          ×           Yor /PF          ×           Fan speed          ×           Upper/lower flap control          ×           Auto-restant          ×           Auto fan speed          ×           Auto fan speed          ×           Auto restant           ×           Auto restant          ×            Maintenance         Next service date          ×           Operation data          ×            Control          ×            Maintenance          × <t< td=""><td></td><td></td><td>Change</td><td>auto-address</td><td>0</td><td>×</td></t<>			Change	auto-address	0	×
Motion sensor setting          ×           Orgenation for Grille Up & Down			Address	setting of main IU	0	×
Operation for Grille Up & Down         O           RC function         Main/Sub of RC         O         O           settings         Return air temp         O         ×           R/C sensor adjustment         O         ×           R/C sensor adjustment         O         ×           Qperation mode         O         ×           Qperation mode         O         ×           Qperation mode         O         ×           External input         O         ×           Lipper/lower flap control         O         ×           Auto-restart         O         ×           Auto-restart         O         ×           Auto temp setting         O         ×           Auto restart         O         ×           Auto restart         O         ×           Auto restart         O         ×           Auto restart         O         ×           Auto-restart         O         ×           Auto restart         O         ×           Auto restart         O         ×           Restervice date         O         ×           Operation data         O         ×			IU back-up function			×
RC function     Main/Sub of R/C <ul> <li>Return ain temp</li> <li>Return ain temp</li> <li>RC sensor</li> <li>XC sensor</li> <li>XC sensor adjustment</li> <li>X</li> <li>Peration mode</li> <li>X</li> <li>Peration mode</li> <li>X</li> <li>Fan speed</li> <li>X</li> <li>Fan speed</li> <li>X</li> <li>External input</li> <li>X</li> <li>Upper/lower flap control</li> <li>X</li> <li>Auto-restant</li> <li>X</li> <li>Auto-restant</li> <li>X</li> <li>Auto fan speed</li> <li>X</li> <li>Auto fan speed</li> <li>X</li> <li>Auto fan speed</li> <li>X</li> <li>Auto fan speed</li> <li>X</li> <li>Rester data</li> <li>X</li> <li>Service &amp; IU address</li> <li>Operation data</li> <li>X</li> <li>Reset periodical check</li> <li>O</li> <li>Saving U Settings</li> <li>X</li> <li>Services</li> <li>Service Settings</li> <li>X</li> <li>Reset periodical check</li> <li>X</li> <li>Service o dafault setting</li> <li>X</li> <li>Reset periodical check</li> <li>X</li> <li>Reset periodical check</li> <li>X</li> <li>Reset periodical check</li> <li>X</li> <li>Touch pane calivation</li> <li>X</li> </ul>				0	×	
RC function     Main/Sub of R/C <ul> <li>Return ain temp</li> <li>Return ain temp</li> <li>RC sensor</li> <li>XC sensor</li> <li>XC sensor adjustment</li> <li>X</li> <li>Peration mode</li> <li>X</li> <li>Peration mode</li> <li>X</li> <li>Fan speed</li> <li>X</li> <li>Fan speed</li> <li>X</li> <li>External input</li> <li>X</li> <li>Upper/lower flap control</li> <li>X</li> <li>Auto-restant</li> <li>X</li> <li>Auto-restant</li> <li>X</li> <li>Auto fan speed</li> <li>X</li> <li>Auto fan speed</li> <li>X</li> <li>Auto fan speed</li> <li>X</li> <li>Auto fan speed</li> <li>X</li> <li>Rester data</li> <li>X</li> <li>Service &amp; IU address</li> <li>Operation data</li> <li>X</li> <li>Reset periodical check</li> <li>O</li> <li>Saving U Settings</li> <li>X</li> <li>Services</li> <li>Service Settings</li> <li>X</li> <li>Reset periodical check</li> <li>X</li> <li>Service o dafault setting</li> <li>X</li> <li>Reset periodical check</li> <li>X</li> <li>Reset periodical check</li> <li>X</li> <li>Reset periodical check</li> <li>X</li> <li>Touch pane calivation</li> <li>X</li> </ul>			Operatio	0	0	
Construction     Construction       RIC sensor adjustment     ○       RIC sensor adjustment     ○       Qperation mode     ○       %C / ?F     ○       Fan speed     ○       Upper/lower flap control     ○       Wethight flap control     ○       Auto-restart     ○       Auto-restart     ○       Auto-restart     ○       Next service date     ○       Operation data     ○       Next service date     ○       Operation data     ○       Saving Us Bettings     ○       CPU reset     ○       Restore of datult setting     ○       CPU reset     ○       Restore of datult setting     ○		R/C function			_	0
R/C sensor      ×       R/C sensor adjustment      ×       Qbperation mode      ×       Yer      ×       Yer      ×       Fan speed      ×       External input      ×       Leftright flap control      ×       Leftright flap control      ×       Auto-restart      ×       Auto-restart      ×       Auto-restart      ×       Auto-restart      ×       Maintenance      ×       Displaylerase         Bring     Error history         Oralisplaylerase      ×       Rester periodical check         Service &     Service ater      ×       Rest periodical check         Serving U settings      ×       Rest periodical check         Serving I U settings      ×       Restre of default setting      ×       Restre of default setting      ×       Tock panel califor the panel califormal check		settings	Return a	air temp	0	x
Operation mode         ○         ×           %C / °F         ○         ×           Fan speed         ○         ×           External input         ○         ×           Upper/lower flap control         ○         ×           Leftright flap control         ○         ×           Auto temp setting         ○         ×           Gperation data         ○         ×           Operation data         ○         ×           Reset periodical check         ○         ×           Saving IU settings         ○         ×           Reset periodical check         ○         ×           Special [Erase IU address         ○         ×           Special [Erase IU address         ○         ×           Special [Erase IU address         ○         ×           Touch pane calivation         ○         ×					0	x
Operation mode         ○         ×           %C / °F         ○         ×           Fan speed         ○         ×           External input         ○         ×           Upper/lower flap control         ○         ×           Leftright flap control         ○         ×           Auto temp setting         ○         ×           Gperation data         ○         ×           Operation data         ○         ×           Reset periodical check         ○         ×           Saving IU settings         ○         ×           Reset periodical check         ○         ×           Special [Erase IU address         ○         ×           Special [Erase IU address         ○         ×           Special [Erase IU address         ○         ×           Touch pane calivation         ○         ×			R/C sen	sor adjustment	0	×
vC / °F     ·     ×       Fan speed     ·     ×       External input     ·     ×       Upper/lower flap control     ·     ×       Leftright flap control     ·     ×       Leftright flap control     ·     ×       Auto-restant     ·     ×       Auto-restant     ·     ×       Auto temp setting     ·     ×       Auto temp setting     ·     ×       Maintenance     IN address     ·     ·       Operation data     ·     ×       Operation data     ·     ×       Reset periodical check     ·     ·       Saving IU settings     ·     ×       Reset periodical check     ·     ·					0	x
Fan speed      ×       External input      ×       Upper/lower flap control      ×       Left/right flap control      ×       Vernilation setting      ×       Auto-resistant      ×       Auto fan speed      ×       Auto fan speed      ×       Auto fan speed      ×       Auto fan speed      ×       Service &     IU address         Vernilation data      ×       Operation data       ×       Reset periodical check         Saving IJ settings      ×       Service &     ICruse II caddress        Reset periodical check         Settings      ×       Touch panel calivation				0	×	
External input      ×       Upper/lower flap control      ×       Leffright flap control      ×       Auto temp setting      ×       Bervice &         Error     Error     Error terror       Display/erase      ×       Reset periodical check      ×       Saving IJ settings      ×       Service of default setting      ×       Touch panel calibration      ×				0	×	
Upper/lower flap control          ×           Leftright flap control          ×           Ventilation setting          ×           Auto-restart          ×           Auto temp setting          ×           Auto temp setting          ×           Auto temp setting          ×           Auto settings          ×           Maintenance         Next service date          ×           Operation data          ×            Bioplay/erase          ×            Bioplay/erase          ×            Reset periodical check           ×           Reset periodical check           ×           Reset periodical check           ×           CPU reset               Restre of default setting          ×				0	×	
Leftright flap control				-	×	
Ventilation setting          ×           Auto-crestart          ×           Auto temp setting          ×           Auto fan speed          ×           Service &         Ul actiress          ×           Maintenance         Next service date          ×           Operation data          ×            Error         Error itsiory           ×           Reset periodical check           ×           Special         Ease U address          ×           String IU settings          ×            Greater of default setting          ×            Auto table          ×            Rest periodical check              Operation         CPU reset             Restree of default setting          ×				0	×	
Auto-restart      ×       Auto temp setting      ×       Auto temp setting      ×       Auto fan speed      ×       Service &     IU address      ×       Maintenance     Next service date      ×       Operation data      ×     ×       Operation data      ×     ×       Bisplaylerase      ×     ×       Reset periodical check         Saving IU settings      ×       Reset periodical check         Special     Erase IU address        Rester of default setting      ×       Touch panel calibration				-	×	
Auto tamp setting          ×           Auto fan speed          ×           Auto fan speed          ×           Service &         IU address             Service &         IU address             Maintenance         Next service date          ×           Operation data          ×            Bisplay/erase          ×            Obsplay/erase          ×            Reset periodical check           ×           Special         Erase IU address          ×           Operation of tar           ×           Touch panel calivation           ×				-	×	
Auto fan speed      ×       IU settings       ×       Service & IU address          Maintenance     IU address         Perration data      ×       Error     Error history         display     Displaylerase     ×       Rest periodical check         Saving IU settings      ×       Special     Erase IU address        Rester of default setting     ×       Touch panel calibration				-	×	
IU settings      ×       Service & Maintenance     IU address         Maintenance     Next service date         Operation data      ×       Error     Error history         display/erase      ×       Reset periodical check         Saving U Settings      ×       Special     Erase IU address        Rester of default setting     ×       Touch panel calibration				-		
Service & U address     O       Maintenance     Next service date     O       Operation data     ×       Error     Error history     O       Display/erase     >     ×       Reset periodical check     >     ×       Saving U settings     ×     ×       Special [Frase IU address     ×     ×       Reset periodical check     >     ×       Touch panel calibration     >     ×		II I sottings	Auto iaii	apeeu	-	
Maintenance         Next service date         ○         ×           Operation data         ○         ×           Error         Error history         ○         ○           display         Display/erase         ×         ×           Reset periodical check         ○         ○           Saving IU settings         ○         ×           Operation data         ○         ×           Reset periodical check         ○         ○           Saving IU settings         ○         ×           OPU reset         ○         ○           Restore of default setting         ○         ×           Touch panel calibration         ○         ×			III addre	200	-	
Operation data         ○         ×           Error         Error history         ○         ○           display         Displayerase         ○         ×           Reset periodical check         ○         ○           Saving IU settings         ○         ×           Special         Erase IU address         ○           Rester of default setting         ○         ×           Touch panel calibration         ○         ○					-	-
Error display         Error history         ○         ○           Display/erase anomaly data         ○         ×           Reset periodical check         ○         ×           Saving IJ settings         ○         ×           Special [Erase IU address         ○         ×           Restore of default setting         ○         ×           Touch panel calibration         ○         ×					-	
display Display/erase o × Reset periodical check ○ ○ Saving IU settings ○ × Special Erase IU address ○ × Settings ○ ○ Restore of default setting ○ × Touch panel calibration ○ ○					-	
anomaly data     ○     ×       Reset periodical check     ○       Saving UV settings     ○     ×       Special     Erase IU address     ○     ×       Restore of default setting     ○     ×       Touch panel calibration     ○     ○					0	0
Saving IU settings      ×       Special     Erase IU address      ×       settings     CPU reset         Restore of default setting      ×       Touch panel calibration			aiopiay	anomaly data	0	×
Special settings         Erase IU address         ○         ×           Restore of default setting         ○         ×           Touch panel calibration         ○         ○				Reset periodical check	0	0
séttings CPU reset o o Restore of default setting × Touch panel calibration o o			Saving I	U settings	0	x
Restore of default setting o × Touch panel calibration o o			Special	Erase IU address	0	×
Restore of default setting o × Touch panel calibration o o			sėttings	CPU reset	0	0
Touch panel calibration $\circ$ $\circ$				Restore of default setting	0	×
					0	0
			Indoor u		0	×

#### Advice: Connection to personal computer

It can be set from a personal computer via the USB port (mini-B). Connect after removing the cover for USB port of upper case. Replace the cover after use.

Special software is necessary for the connection.

For details, view the web site or refer to the engineering data.



#### Advice: Initializing of password

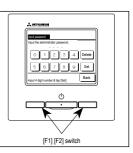
Administrator password (for daily setting items) and

service password (for installation, test run and maintenance) are used.

o The administrator password at factory default is "0000". This setting can be changed (Refer to User's Manual).

If the administrator password is forgotten, it can be initialized by holding down the [F1] and [F2] switches together for five seconds on the administrator password input screen.

o Service password is "9999", which cannot be changed. When the administrator password is input, the service password is also accepted.



#### Advice

When connecting two or more FDT/FDTC to one R/C, unify the panel type either to a panel with anti draft function or a standard panel.

### 6. Power on and initial setting

Set the main and sub R/C units according to the display at the power on.

- Main/Sub setting not performed => (1)
- Main/Sub setting performed => (2)

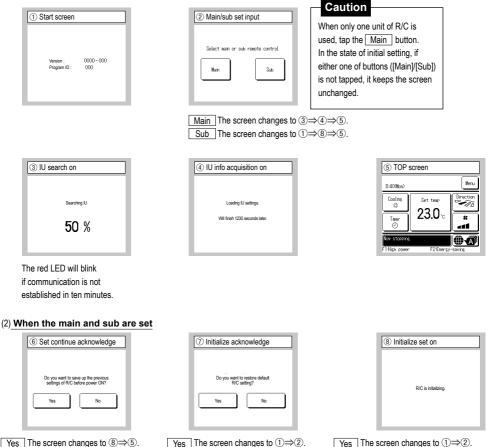
#### (1) When the main and sub are not yet set,

 $(1) \Rightarrow (2)$  Main/sub input screen is displayed.

When tapping the Main or Sub button, initial setting starts.

If any wrong button has been tapped by mistake, the setting can be changed after the end of the initializing operation. (10. R/C function setting④)

When using two remote controllers for one IU or one group, if the first one is set for the <u>Main</u>, the second is set for the <u>Sub</u> automatically.



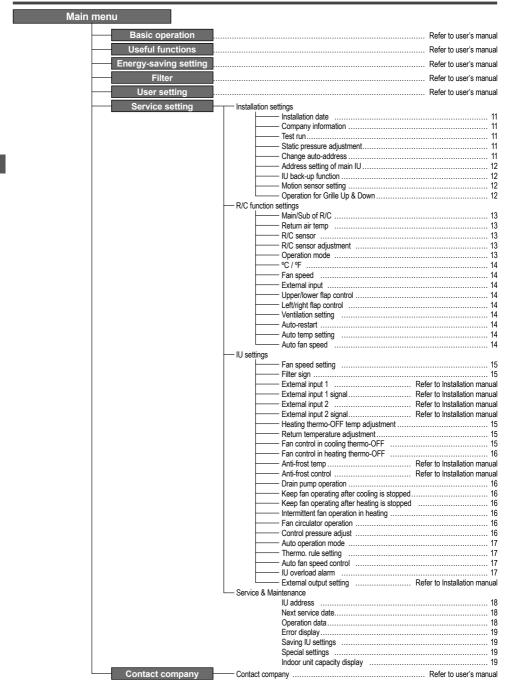
No The screen changes to  $\bigcirc$ .

If the screen is not tapped for more than 15 seconds, the Yes (Continue) is selected and the display changes to the screen of (5).

No The screen changes to 6. After the initializing, it returns to the default state. No The screen changes to 6. After the initializing, it returns to the default

state.

### 7. Menu items



### 8 . Installation settings and test run

TOP screen Menu  $\Rightarrow$  Service setting  $\Rightarrow$  Installation settings  $\Rightarrow$ 

<ol> <li>Installation set</li> </ol>	<b>J</b>
Installation date	0
	<u></u>
Company information	~4)
Test run	~7
Static pressure adjustment	<b>-</b> 10
Change auto-address	√11
ſ	Next Back

The selected screen is displayed.

5 Enter the Company								
Соп	ipany r						<u> </u>	Set
N	lumbe			Nphab	et	K	, иРИЛГ	ица
	カナ			漢字		ίΞ	汉	7
Α	8	C	D	E	F	6	Н	Ι
J	K	L	H	N	0	Ρ	Q	R
De	lete	ī		ſ	Nex	:	В	ack
nput	the nar	ne & t	ap (Se	f]. `		_	_	

Enter the company name using up to 26 one-byte characters and then tap the <u>Set</u> button. You can enter alphanumeric, Japanese Kana, Kanji, Cyrillic, or Chinese characters.

(9) Drain pump test run					
Drain pump test run					
Run	Stop				
Select the item.	Back				

Drain pump can be operated independently.

Installation settings Address setting of main IU	<b>∠</b> 13)
IU back-up function	
Infrared sensor setting	-17)
Operation for Grille Up & Do	wn -(18)

The selected screen is displayed.



Enter the phone number of the company using up to 13 characters and then tap the Set button.



This is operable in case of connecting duct type IU equipped with the external static pressure adjustment function. Select the external static pressure and tap the <u>Set</u> button.



Service password

Select the date with [		▼
buttons, and tap the	S	et
button.		

④ Company information	
Company information	1
Company -5	
Phone No6	
	-
Back	Ĵ
Select the item.	

Enter the company information.

Test run		
Cooling test run	-3	
Drain pump test run	-9	
Compressor Hz fixed operation	on	
		Back
		васк
Select the item		

The selected screen is displayed.

⑧ Cooling test run
Cooling test run
Start
When tapping [Start], test run starts for 30 min. at 5°C in cooling. Finish-condition of test run is follows. Passage of 30 min./Stop the IU/Change "Set temp", "Operation mode" on the TOP screen.
Back

This can be operated while cooling is stopped. When the room temperature is too low to start the cooling test run, it operates for 30 minutes by decreasing the set temperature to 5°C.

(1) Change auto-address		
Change auto-address	Finish	
IU address	OU address	
000 ⇒ 001	00 ⇒ 01	
001	00 ⇒ 01	
002	00	
003 ⇒ 004	00	
004	01	
005	01	
Change Select the Tress to be	Next Back Changed.	



In case of Multi series (KX) models, the IU addresses registered with the auto-address setting method can be changed with this function.

This function changes the OU address for each IU. Select an IU and,

- I When an indoor unit is selected and the Change button is tapped, the display changes to the Change auto-address screen @.
- ${\rm I\!I}$  Tap the <u>Set</u> button to return to the screen (1) and display the new address.
- III Tap the Finish button to register the new address.

13 Address setting of main IU
Address setting of main IU
Cancel
Tap ▲ ▼ to set address & [Set]. Back

In case of Multi Series (KX) models, it is possible to let indoor units (Sub IUs) follow the operation mode (Heating, cooling) of the indoor unit (Main IU). Set the address of the Main IU to the Sub IUs The Sub IUs to which the Main IU address is set follow the Main IU settings.

(4) IU Back-u	p function	
IU back-up function		
IU rotation	Disable	Details
IU capacity back-up	Disable	Details 4
IU fault back-up	Disable	
	Enter	Back
Select the item.		

In case of 2 sets of indoor units (2 groups) connected to one R/C, it is available to perform back-up operation with them.

- 1. IU rotation: Operate 2 sets of indoor units alternately at every set time of operation interval.
- IU capacity back-up: When the temp difference between the set temp and the actual room temp is higher than the set temp diff., 2 sets of indoor units operate.
- 3. IU fault back-up: If one of the IU has a fault and stops, the other one starts operation.

Select Enable / Disable (tapping Disable changes to Enable) and tap the Enter button to confirm the settings.



In IU rotation function, the timer to changeover the operation of 2 indoor units is set.

The timer can be set within the range of 1 to 999 hours in increments of ten hours.

After the time is changed, tap Set for temporary setting.

After temporary setting, return to the IU Back-up function screen and tap Enter.

17 Motion sensor	setting
Motion sensor setting	
Disable	
Enable	
Select the item.	Back

Select Enable Disable for the motion sensor of the indoor unit connected to the R/C.  For customers who adapt a motion sensor, please proceed the setting shown on the left and enable the indoor unit to be used to detect the activity amounts of persons.

When the infrared (motion) sensor is disabled, activity amounts of persons will not be detected and thus the infrared sensor control (power saving and auto-off) will not be performed.

 The infrared (motion) sensor cannot be enabled for the indoor unit older than FDT-VG or FDT-KX-ZE1.

When the infrared (motion) sensor setting is tapped, "Invalid request." will be displayed.

16 Capacity back-up of	letails
Set the temp diff. for back-up	
<b>A</b>	
5.	Set
Tap ▲ ▼ to set temp & tap [Set].	Back

The difference between the setting temperature for a change between one unit and two units for capacity back-up and room temperature is set.

The temperature can be set within the range of 2 to 5  $^{\circ}\text{C}$  in increments of 1  $^{\circ}\text{C}.$ 

After the temperature is changed, tap Set for temporary setting. After temporary setting, return to the IU Back-up function screen and tap Enter.

18 Operation for Grille	e Up & Down setting:
Operation for Grille Up & Do	wn
Disable	
Valid(50Hz)	
Valid(60Hz)	
If OK, tap [Yes].	Back

To use the automatic grille up and down panel, tap the power supply frequency of the installation site.

Customers using the automatic grille up and down
panel should configure the settings on the right.

### 9. R/C function settings Advice: It is valid when unit stops.

TOP screen Menu  $\Rightarrow$  Service setting  $\Rightarrow$  R/C function settings  $\Rightarrow$  Service password

R/C function settings	•
Main/Sub of R/C	-4
Return air temp	-5
R/C sensor	-6
R/C sensor adjustment	<i>-</i> D
Operation mode	-10
	Next Back

The selected screen is displayed.

6 R/C sensor

Enable(Heating only) Enable(Cooling only)

Select the item

⑤ Return air temp	
Return air temp	
Individual	
Master IU	
Averaged temp	
Select the item.	Back

R/C function settings			
°C / °F	-11		
Fan speed	-12		
External input	-13		
Upper/lower flap control	-14		
Left/right flap control	-(15)		
Previous	Next	Back	٦

Ventilation setting	-√16	
Auto-restart	-17	
Auto temp setting	-18	
Auto fan speed	-19	
Previous	]	Back

④ Main/Sub of R/C	
Main/Sub of R/C	
Main	
Sub	
Select the item.	Back

Use this when changing the Main/Sub setting of R/C.

Thermo. rule is applied based on the temperature detected with the return air temp sensor of IU. When plural indoor units are connected to one R/C, the return air temp applied to the thermo. rule can be selected.

- 1. <u>Individual</u>: Thermo. rule is applied based on the return air temp of each IU. When plural units are connected to one R/C, it is based on the return air temp of the main unit.
- . <u>Master IU</u> : Thermo. rule is applied based on the return air temp of IU having the youngest address out of IUs connected.

If there are several sets of plural units each of which is connected to one R/C, it is based on the IU having the youngest address out of the main units of each plural units.

3. Averaged temp : Thermo. rule is applied based on the average of return air temperatures of IUs connected.

You can change IU main unit return air temperature sensor to the R/C side.
Disable The Indoor temp display changes to the temperature measured by the sensor at the main
unit.
Enable The Indoor temp display changes to the temperature measured by the R/C side sensor.
Enable(Heating only) The Indoor temp display changes to the temperature measured by the R/C

side sensor during heating only.
<u>Enable(Cooling only)</u> The Indoor temp display changes to the temperature measured by the R/C side sensor during cooling only.

⑦ R/C sensor	adjustm	ient
R/C sensor adjustment		
Adjustment in cooling	-3	
Adjustment in heating	-9	
		Back
Select the item.		

You can adjust the R/C sensor detection temperature.

Adjustment in cooling	⇒®
Adjustment in heating	⇒9

8 Adjustment in cooling		
Adjustment in cooli	10	
Tap ▲▼ to set offset		
<b>+1</b> rc	▲ ▼	Set
		Back

The R/C sensor detection temperature during cooling operation can be corrected. Set the value within the range of -3 to +3.

④ Adjustment in heating		
Adjustment in heating		
Tap ▲ ▼ to set offset value.		
	Set	
	Back	

The R/C sensor detection temperature during heating operation can be corrected. Set the value within the range of -3 to +3.

10 Operation mode		
Operation mode		
Auto	Disable	Enable
Cooling	Disable	Enable
Heating	Disable	Enable
Dry	Disable	Enable
Select the item.	Set	Back

Enable or Disable can be set for each operation mode. If the cooling or heating is disabled, the auto is also disabled.

	connected to one	
	2. Master IU : T	
	of IUs connected.	
Back	If there are sever	

Back

11 °C/°F	
°C / °F	
°C	
°F	
Select the item.	Back

Select the unit of temperature

displayed on the R/C.

12 Fan speed	
Fan speed	
4-speed	
3-speed	
2-speed (Hi-Lo)	
2-speed (Hi-Me)	
1-speed	
Select the item.	Back

Fan speed can be changed to the selected one.

It may not be available to select some of fan speeds depending on indoor unit models.

(1) Upper/lower flap control	
Upper/lower flap control	
Stop at fixed position	
Stop at any position	
Select the item.	

Stop at fixed position The upper/lower flap can be set to stop at one of four positions.

Stop at any position The flap can be set to stop at any position immediately after operating the R/C switch.

15 Left/right flap control	
Left/right flap control	
Fixed position stop	
Stop at any position	
Select the item.	Back

Fixed position stop The left/right flap can be set to stop in eight different patterns.

Stop at any position The flap can be set to stop at any position immediately after operating the R/C switch.

1 Auto-restart	
Auto-restart	
Enable	
Disable	
Select the item.	Back

If the unit stops during operation,

**Enable** It returns to the state before the power failure as soon as the power supply is restored (After the end of the primary control at the power on).

Disable It stops after the restoration of power supply.

13 External input	
External input	
Individual	
All units	
Select the item.	Back

Set the range to apply the external input received through CNT of either one IU to plural indoor units connected in one system Individual This is applied only to the IU receiving CNT input. All units This is applied to all indoor units connected.

(6) Ventilation setting
Ventilation setting
Disable
Interlocking
Independent
Select the item.

Set this when a ventilation device is connected.

Disable No ventilation device is connected.

Interlocking Ventilation is interlocked with the Run/Stop of air conditioner and operate the Ventilation output.

Independent] If the ventilation is selected from the menu, only the ventilation device is operated or stopped independently.

18 Auto temp setting	
Auto temp setting	
Enable	
Disable	
Select the item.	Back

Enable Auto can be selected on the room temperature setting screen.

Disable Auto selection switch will not be displayed on the room temperature setting screen.

(19) Auto fan speed	
Auto fan speed	
Enable	
Disable	
Select the item.	Back

Enable Auto can be selected on the fan speed setting screen. Disable Auto selection switch will not be displayed on the fan speed setting screen.

### 10. IU settings (Advice: It is valid when unit stops.

TOP screen Menu  $\Rightarrow$  Service setting  $\Rightarrow$  IU settings  $\Rightarrow$ 

Service password



② IU select #2			
IU select			Menu
008	009	010	011
012	013	014	015
All units Select an IU a	Previous ddress.		Back

When plural indoor units are connected, they are displayed on the screen.

000 to	015 Individual settings are performed for indoor units
All units	The same setting applies to all units.

(5) IU setting menu #2
IU settings
External input 2 signal
Heating thermo-OFF temp adjustment
Return temperature adjustment
Fan control in cooling thermo-OFF
Fan control in heating thermo-OFF
Previous Next Back Select the item.

9 Fan speed setting	
Fan speed setting	
Standard	
Setting 1	
Setting 2	
Select the item.	Back

Set the fan speed tap for the IU. Refer to the engineering data for details.

⑥ IU setting menu #3
IU settings
Anti-frost temp
Anti-frost control
Drain pump operation
Keep fan operating after cooling is stopped -16
Keep fan operating after heating is stopped
Previous Next Back Select the item.

10 Filter sign	
Filter sign	
No display	
Setting 1	
Setting 2	
Setting 3	
Setting 4	
Select the item.	Back

Set the time to display the filter sign.

③ Loading
Loading. Wait a while.
_
$\square$

The display changes to ④ afte
receiving data from the IU.

④ IU setting m	nenu #1
IU settings	
Fan speed setting	<b>9</b>
Filter sign	-10
External input 1	
External input 1 signal	
External input 2	
	Next Back
Select the item.	

The selected screen is displayed.

IU setting menu #4	
IU settings	
Intermittent fan operation in heating	-18
Fan circulator operation	-(19)
Control pressure adjust	-20
Auto operation mode	-21
Thermo. rule setting	-23
Previous Next.	Back
Select the item.	

Standard

None 180Hr

600Hr

1,000Hr

1,000Hr Operation stop

No display

Setting 1

Setting 2 Setting 3

Setting 4

⑧ IU setting menu #5
IU settings
Auto fan speed control -25
IU overload alarm 🛛 🔏
External output setting
Previous Back
Select the item.

(1) Heating thermo-OFF temp a	idjustment
Heating thermo-OFF temp adjustment	
+ <u>2.0</u> ° ×	Set
	Back

Adjust the temperature for judging to make thermostat ON or OFF during heating operation.

Adjustable range is 0°C / +1°C /+2°C/+3°C.

12 Return tem	perature ad	ljustment
Return temperature	adjustment	
Tap ▲▼ to set offset v	alue.	
+1.5 <sub>℃</sub>	▲ ▼	Set
		Back

Adjust the main return air temperature sensor detection temperature. Adjustable range is -2°C / -1.5°C / -1°C / 0°C / +1°C / +1.5°C / +2°C.

Fan control in c	coling them	no-OFF	
Low			
Set fan speed			
Intermittent			
Stop			

Set the fan speed at the cooling thermo-OFF.

Low The fan runs at the low speed.

Set fan speed The fan runs at the same speed as that during the thermo-ON operation. Intermittent Cycles of Lo fan operation for 2 minutes and stop for 5 minutes are repeated. Stop The fan is stopped.

(4) Fan control in he	eating thermo-OFF
	055
Fan control in heating the	IMD-UFF
Low	
Set fan speed	
Intermittent	
Stop	
	Back
Select the item.	Dack

Set the fan speed at the heating thermo-OFF.

Low The fan runs at the low speed.

Set fan speed The fan runs at the same speed as that during the thermo-ON operation.

Intermittent Cycles of Lo fan operation for 2 minutes and stop for 5 minutes are repeated.

Stop The fan is stopped.

Keep fan op	erating after cool	ing is stopped	
No setting			
Setting 1			
Setting 2			
Setting 3			



Select the residual fan operation time period after stopping and the thermo-OFF in cooling mode.

No setting Residual fan operation not performed.

•	
Setting 1	] 0.5 hours
Setting 2	2 hours
Setting 3	6 hours

\*Residual time may vary.

Select the residual fan operation time period after stopping and the thermo-OFF in heating mode. No setting Residual fan

operation not performed.

Setting 1	0.5 hours
Setting 2	2 hours
Setting 3	6 hours

19 Fan circulator	operation
Fan circulator operation	
Pan circulator operation Disable	
Enable	
Select the item.	Back

Set this when operating the fan as a circulator.

Disable During the fan operation, the fan runs continuously.

Enable During the fan operation, the fan runs and stops based on the difference between temperatures detected with the R/C sensor and the return air sensor.

15 Drain pump oper	
Drain pump operation	
Standard (in cooling & dry)	
Operate in standard & heating	
Operate in heating & fan	
Operate in standard & fan	

Standard (in cooling & dry) Operates in cooling and dry modes.

Operates in all modes.

Operate in		

Operate in standard & fan Operates in cooling, dry and fan modes.

18 Intermittent fan operation in heating
Intermittent fan operation in heating
Stop
Stop for 20 min & run for 5 min
Stop for 5 min & run for 5 min
Select the item. Back

Select the fan control after the residual fan operation following stop and thermo-OFF in heating mode.

Stop Intermittent fan operation is not done.

Stop for 20 min & run for 5 min Check the operating conditions at every 25 min and run the fan for 5 min.

Stop for 5 min & run for 5 min Check the operating conditions at every 10 min and run the fan for 5 min.

2 Control press	ure adjust	
Control pressure adjust		
Standard		
,Type1		
Select the item.		Back

Set the control pressure when connecting the outdoor air conditioning unit to the Multi (KX) System.

#### Standard Normal

Type1 When all operating IUs are in this mode, the control pressure value is changed.

(21) Auto operation mode	2 Auto rule selection
Auto operation mode Auto rule selection <22	Auto rule selection
Auto 1 details	Auto 1
Auto 2 details	Auto 2
Auto 3 details	Auto 3
Back	Back
Back Select the item.	Select the item.

The method of switching between cooling and heating in the auto operation mode can be selected from three options. Set the condition for each method.

3 Thermo. rule setting	(2) Standard/Outdoor temp basis
Thermo. rule setting Standard/Outdoor temp basis <24	Standard/Outdoor temp basis
Cooling offset	Standard
Heating offset	Outdoor temp basis
Select the item.	Select the item.

Set the room temperature control, thermostat ON/OFF switching method and condition.

Standard The thermostat judges based on the indoor temperature and set temperature.

Outdoor temp basis The thermostat judges based on the outdoor temperature and the cooling and heating offset values. The room temperature setting will be disabled.



When the room temperature differs to some extent from the setting temperature at 30 minutes after the start of operation, the overload alarm signal is transmitted from the external output (CNT-5).

Auto 1 The temp difference between the set temp and the actu	al
room temp switch cooling and heating.	

Auto 2 The temp difference between the set temp and the actual room temp/outdoor temp switch cooling and heating.

Auto 3 The actual room temp and outdoor temp switch cooling and heating.

25 Auto fan speed co	ontrol
Auto fan speed control	
Auto 1	
Auto 2	
Select the item.	Back

Set the switching range of the fan tap at the auto fan speed setting. <u>Auto 1</u> The fan tap is changed in the range of High  $\Rightarrow$  Medium  $\Rightarrow$  Low.

<u>Auto 2</u> The fan tap is changed in the range of Powerful high  $\Rightarrow$  High  $\Rightarrow$  Medium  $\Rightarrow$  Low.

### 11. Service & Maintenance

TOP screen Menu  $\Rightarrow$  Service setting  $\Rightarrow$ 

Service & Mainter	19000
IU address	<b>√</b> 3
Next service date	-5
Operation data	-7)
Error display	<b>-</b> 9
Saving IU settings	√10

② Service & Maintenance #2 ice & Maintenance -15 ial settings Indoor unit capacity display -(16) Previous Back

③ IU address Check OII adds Next

⇒[

Service password

The selected screen is displayed.

The selected screen is displayed.

When 8 or more units are connected, further data are displayed on the next page. When the Check button is tapped after selecting an IU address, the fan of the selected IU can be operated.  $\Rightarrow$ 

Back

(4) Check run	n mode
Check run mode	
Fan operation	Run Stop
Tap [Run] to check.	Back

Run Tap this button to start the fan operation.

Stop Tap this button to stop the fan operation.



	6 Service message			
-		Usage time Next check Company Phone No.	1 years & 9 months 10 / 2020	
]	L			

When next service date is entered, messages are displayed at the start/stop of operation on the service month.

Service & Maintenance

Contents are reset if the next service date is updated.

If the No setting button is tapped, messages are not displayed.

⑦ Operat	ion data			
Operation data			U	pdate
IU 000	OU			
ltem		Data		Disp.
01 Operation m	de	Coolir		1
02 Set temp		- 28		1
03 Return air ter	np	26	"C	1
04 R/C temp		- 29		
05 IU heat exch	temp 1	10	ľC	
Display Next Back Select 6 items for display & tap (Display).				
Select 6 items for	tisplay & tap [L	hsplay].		

⑧ Individual display		
Operation data		
Operation mode	Cooling	
Set temp	28°C	
Return air temp	29°C	
R/C temp	28°C	
IU heat exch. temp 1	10°C	
IU heat exch. temp 2	15°c	
	Back	

After read the indoor unit data, the operation data at the time of reading are displayed. Tapping the Update button to update the data.

To automatically update data and display, up to six items can be selected. Tapping the Display button after selecting six items changes the display to (8) .

Automatically updates and displays the six selected items.

/	
-10	
-11	
-12	
-13	
	Back
	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$

10 Error history (Sample)		
Error history		Delete
Time	IU	ErrorCode
2011/01/19 6:57 PM	014	E16
2011/01/19 6:57 PM	015	E15
2011/01/19_6:57 PM	012	E14
	-	
	-	_
		Back

1	(1) Display anomaly data					
Di	splay anomał	y data				
IU	000	ErrorCode	Ε	09	OU	
	ltem			Dat	а	
	Operation m	ode				oling
	Set temp					28°C
	03 Return air temp					26°C
	05 IU heat exch. temp 1				_	10°C
06	06 IU heat exch. temp 2				10°C	
		(	I	Next		Back

Date and time when error occurred, IU address and Error Code are displayed.

Tap the Delete button to delete the error history.

The operation data obtained just before the occurrence of an error are displayed.

12 Erase anomaly da	ita	
Erase anomaly data		
Yes	]	
Select the item.	Ba	eck 🛛

The anomaly data is erased.

13 Reset periodical check	
Reset periodical	check
Do you want to rea	set the periodical check?
(	Yes
If yes, tap [Yes]	Back

The time count is reset by

resetting the periodical check.

 14 Saving IU settings
 Saving IU settings
 Save IU settings
 'Automatic saving
 Transfer the saved data
 Select the item.
 7

Save IU settings All settings of the IUs connected to the R/C are saved in the R/C.

Back

Automatic saving Set the time when the automatic saving is performed everyday.

Transfer the saved data The IU setting data saved in the R/C are transferred to an indoor unit.

15 Special settings	
Special settings	
Erase IU address	
CPU reset	
Restore of default setting	
Touch panel calibration	
Back	Ì
Select the item.	)

The selected screen is displayed.

Erase IU address Memory of the IU address for multi (KX) unit is erased.

CPU reset Microcomputers of IU and OU connected are reset (State of restoration after power failure).

Restore of default setting Settings on R/C and IU connected are initialized (State of factory default).

Touch panel calibration Use this to correct when the display and the touch position are not matched.

16 Indoor unit capacity display		
Indoor unit capacity of	lisolav	
IU address	Capacity	
000	40	
001	71	
002	80	
003	112	
004	224	
005	280	
	Next Back	

Capacities of IUs connected to the R/C are displayed. When seven units or more are connected, tap the <u>Next</u> button to view all. These items may not be displayed depending on the combination of IUs and OUs.

# **REMOTE CONTROL** QUICK REFERENCE

# **OPERATION**

Refer to the "User's manual" on the following web site for details.

http://www.mhi-mth.co.jp/en/products/detail/air-conditioner\_users\_manual.html

# Contents

<ul> <li>1. Safety precautions</li> <li>2. Functions and menu items of the remote</li> </ul>	·21
control	·23
3. Basic Operation ·····	·25
4. Menu operations	·29
5. Settings and operations	·30
Energy-saving setting ······	30
Grille Up and Down	33
Individual flap control	35
Anti draft setting ·····	36
Ventilation operation	37
Initial settings	37
• Timer	39
Weekly timer ·····	41
Registering favorite setting ·····	43
Favorite setting operation	43
Silent mode control	43
Select the language	44
6. Maintenance and After-sale service	·45
Filter sign reset ·····	45
Maintenance of unit and LCD	45
Contact company & Error display	46
Notice of inspection date	46
After-sale service	46

### 1. Safety precautions

•Please read the precautions written here carefully to operate the unit properly.

You are required to observe these fully because every item of these instructions is important for safety.

<b>∕</b> MARNING	Failure to follow these instructions may result in serious consequences such as death, severe injury, etc.
	Failure to follow these instructions may cause injury, property damage or, serious consequences depending on.

•The following pictograms are used in the text.

$\bigcirc$	Never do.	0	Always follow the instructions given.	
	Absolutely keep water away.		Absolutely keep wet hands away.	

Keep this manual at a safe place where you can consult with whenever necessary. Show this manual to installers when moving or repairing the unit. When the ownership of the unit is transferred, this manual should be given to a new owner.

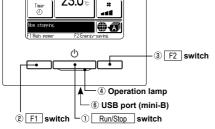
### Electrical wiring work must be implemented only by qualified specialists.

	<u> </u> <i>M</i> WARNING
0	Consult your dealer or a professional contractor to install the unit. Improper installation made on your own may cause electric shocks, fire or dropping of the unit.
0	Consult your dealer when moving, disassembling or repairing the unit. Never modify the unit. Improper handling may result in injury, electric shocks, fire, etc.
$\bigcirc$	Avoid using combustible substances (hair spray, insecticide, etc) near the unit. Do not use benzene or paint thinner to clean the unit. It could cause cracks, electric shocks or fire.
0	Stop operation under abnormal situation. If continued, it could result in break-down, electric shocks, fire, etc. If any abnormal condition (burnt odor etc.) occurs, stop operation, turn off the power switch and consult your dealer.
	This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.

	<u> </u> CAUTION
$\bigcirc$	Do not use or let use the unit or remote control as play equipment. Improper operations could cause ill health or health disorder.
$\bigcirc$	Never disassemble the remote control. If you touch internal parts accidentally, you could get electric shocks or cause trouble. Consult your dealer when it is necessary to inspect its interior.
	Do not wash the remote control with water or liquid. It could cause electric shocks, fire or break-down.
	Do not touch electric parts or operate buttons or screens with wet hands. It could cause electric shocks, fire or break-down.
$\bigcirc$	<b>Do not dispose the remote control by yourself.</b> It could destruct the environment. Ask your dealer when it is necessary to dispose the remote control.
	Note
$\bigcirc$	The remote control should not be installed where it is exposed to direct sunlight or the ambient temperatures become higher than 40°C or lower than 0°C. It could cause deformation, discoloration or break-down.
$\bigcirc$	<b>Do not use benzene, paint thinner, wipes etc. to clean the remote control.</b> It could discolor or break-down the remote control. Wipe it with a piece of cloth which is squeezed tightly after wetting with diluted neutral detergent. Finish up the cleaning by wiping with a piece of dry cloth.
$\bigcirc$	Do not pull or twist the cable of the remote control. It could cause break-down.
	Do not tap the remote control buttons or screen with pointed objects.

### 2. Functions and menu items of the remote control

#### Names and functions of sections on the R/C (Operating section) 1 Run/Stop switch 5 LCD 🙏 MITANBIAN of time (With backlight) One push on the button starts Nenu operation and another push stops 8:400lon can be changed. operation. Direction Direction Cooling Set tem 2 F1 switch 3 F2 switch 23.0 v



#### Touch panel system, which is operated by tapping the LCD screen with a finger, is employed for any operations other than the ① Run/Stop, (2) F1 (3) F2 switches.

This switch starts operation that is set in F1/F2 function setting.

#### ④ Operation lamp

This lamp lights in green (vellowgreen) during operation. It changes to red (orange) if any error occurs. Operation lamp luminance can be changed

#### ⑤ LCD (With backlight)

A tap on the LCD lights the backlight. The backlight turns off automatically if there is no operation for certain period

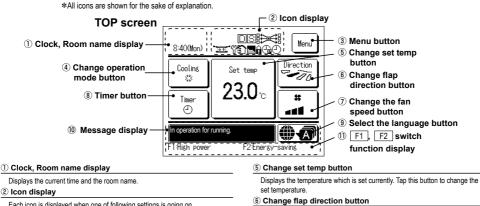
Lighting period of the backlight lighting If the backlight is ON setting, when the screen is tapped while the backlight is turned off, the backlight only is turned on. (Operations with switches 1, 2 and 3 are excluded.)

#### 6 USB port

USB connector (mini-B) allows connecting to a personal computer. For operating methods, refer to the instruction manual attached to the software for personal computer (remote control utility software).

· When connecting to a personal computer, do not connect simultaneously with other USB devices. Please be sure to connect to the computer directly, without going through a hub, etc.

#### Names and functions of sections on the R/C (Display)



Note

Each icon is displayed when one of following settings is going on.

When the demand control is	S When setting is made from the
effective.	sub R/C.
When the central control	When Operation for Grille
(Optional) is running.	Up & Down is enabled.
When the periodical inspection	During the ventilation
is necessary.	operation.
When "filter sign" is up.	When the Permission/Prohibition
Hen the peak-cut timer is set.	setting is made.  When the weekly timer is set.

#### ③ Menu button

When setting or changing other than the following (4-(8), tap the menu button. Then menu items are displayed, select one and set,

#### Change operation mode button

Displays the operation mode which is selected currently. Tap this button to change the operation mode.

#### operation is enabled, 3D auto display will appear. Tap this button to change the flap direction.

#### ⑦ Change the fan speed button

Displays the fan speed which is selected currently. Tap this button to change the fan speed

Displays the flap direction which is selected currently. When the 3D auto flow

#### ⑧ Timer button

Displays simplified contents of the timer which is set currently. (When two or more timers are set, contents of the timer which will be operated immediately after is displayed.) Tap this button to set the timer

#### 9 Select the language button

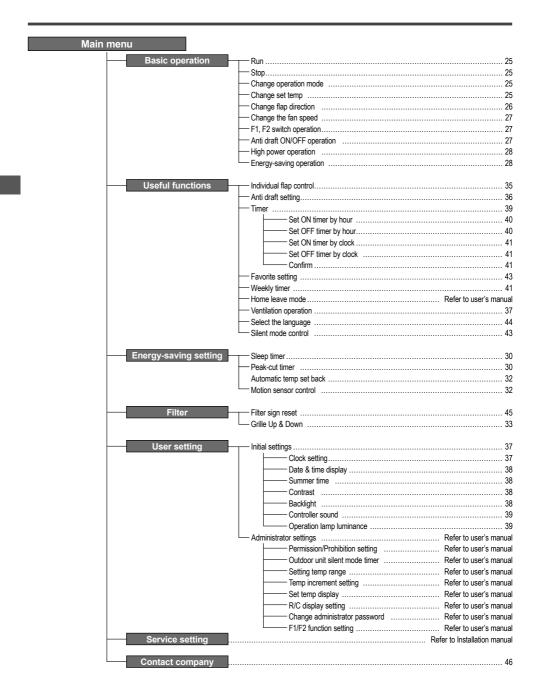
Select a language to be displayed on the R/C

#### 10 Message display

Status of air conditioner operation and messages of the R/C operations etc. are displayed.

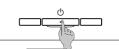
#### 1 F1 , F2 switch function Display

Displays the function that is set for each F1, F2 switch. The function for these switches can be changed in F1/F2 function setting.



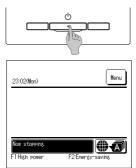
### 3. Basic Operation

#### Run



#### Push the Run/Stop switch. Operation lamp (green) lights and operation starts.

Stop



Press the Run/Stop switch while the unit is in operation. The operation lamp turns off and the operation stops.

When the operation stops, all operation buttons on the screen turn off. When the set lighting time of backlight is counted up, the backlight turns off.

When the screen is tapped, the backlight lights, and all operation buttons are displayed.

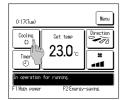
#### Note

 Do not shut down the power supply immediately after the stop of operation.
 It should be waited for more than 5 minutes till the residual operation time of drain motor is counted up. Otherwise, it could cause water leakage or breakdown.

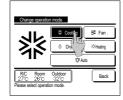
#### Advice

A message "Invalid req	uest" may be displayed when a button is pushed. This is not a fault but it is because the button operation is set to the "Disable".
The unit starts to operative	te initially with the following settings after the power on. These settings can be changed as desired.
Central control	OFF
Operation mode	····· With auto mode: Auto cooling
	······ Without auto mode: Cooling
Set temp	····· 23.0°C
Fan speed	····· 3-speed
Flap direction	····· When cooling: position 2, when heating: position 3
1	*When an FDK with a left/right flap is connected, left/right flap direction: center, 3D AUTO: disabled
· In the following cases,	a message "Operation mode is invalid." is displayed and it changes to the fan operation, because operation modes are not matched.
<ol> <li>When Heating (inc</li> </ol>	luding auto heating) is selected for Operation mode while using an OU for cooling only.
② When Heating is se	lected for Operation mode while controlling multiple units including units allowed for both cooling and heating and units for cooling only.
③ When different ope	ration modes are selected between IUs which are connected to a OU that do not allow mixed operation of cooling and heating.





1 Tap the Change operation mode button on the TOP screen.



2 When the Change operation mode screen is displayed, tap the button of desired mode. The operation mode changes, and the display returns to the TOP screen.

Icons displayed have the following meanings.

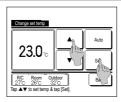
Cooling Fan

- Operation modes which cannot be selected depending on combinations of IU and OU are not displayed.
- When the Auto is selected, the cooling and heating switching operation is performed automatically according to indoor and outdoor temperatures.

#### Change set temp



**1** Tap the Change set temp button on the TOP screen.



- 2 When the Change set temp screen is displayed, select the temperature as desired with using
- 3 After selecting the set temp, tap the Set button. The display returns to the TOP screen.

For allowable temperature setting ranges, refer to the range setting of set temp.

Reference set temp

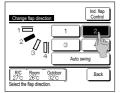
Cooling ··· 26 to 28°C Dry ··· 24 to 26°C Heating ··· 20 to 24°C Fan ··· Setting temp is not required.

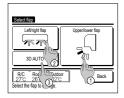
If the Auto is selected for the set temp, the set temp display shows "0". Temperature can be adjusted higher or lower with using voting buttoms. Note that Auto is not displayed and cannot be set when SC-SL2, SC-SL3, or SC-SL4 is connected.

If the Back button is tapped without tapping the Set button, the selected set temp is invalidated and the display returns to the TOP screen.

#### **Change flap direction**







- 1 Tap the Change flap direction button on the TOP screen. When an FDK with a left/right flap is not connected: ☞2
- When one or more FDKs with a left/right flap are connected: 1073
- 2 When the Change flap direction screen is displayed, tap the button of desired flap direction. To swing the flap, tap the Auto swing button. To fix the flap position, tap one of 1 to 4 buttons. After selecting the flap direction.
  - After selecting the flap direction,
  - When an FDK with a left/ right flap is not connected, the display returns to the TOP screen. (  $\bowtie$  1 )
- When an FDK with a left/right flap is connected, the display returns to the Select flap screen. (1873)
- 3 When one or more FDKs with a left/right flap are connected, the Select flap screen is displayed. Select the desired flap direction.
  (1) To change the up/down flap direction, tap the Upper/lower flap button. The Change flap direction screen for the up/down
  - flap is displayed. (##2) (2) To change the left/right flap direction, tap the Left/right flap button. The Change flap direction screen for the left/right flap is displayed. (##4)
  - ③ The 3D auto flow operation automatically controls the fan speed and flap direction to efficiently condition the air of the entire room.
    - To switch to the 3D auto flow operation, tap 3D AUTO to enable the operation.
    - To disable the 3D auto flow operation, tap the 3D AUTO again. The flap direction returns to the direction that was set before the 3D auto flow operation was enabled. The 3D auto flow operation will also be disabled when you change the up/down or left/ right flap direction during the 3D auto flow operation.

Change flap direction	Ind. flap Control
	لمعا
$[\neg\neg] [\neg\neg]$	
	]
	Back

4 Tap the desired flap direction. After selecting the flap direction, the display returns to the Select flap screen. (IFF 1)



- 5 When the 3D auto flow operation is enabled, "3D AUTO" is displayed on the Change flap direction button, as shown on the left.
- When multiple IUs are connected to the remote control for a mixed environment consisting of FDKs with a left/right flap and IUs without a left/right flap, enabling the 3D auto flow operation will set the models without a left/right flap to a flap position set before the 3D auto flow operation was started.

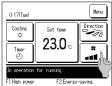
Since the flap is controlled automatically in the following operation, it may differ from the display on the R/C.

- $\cdot$  When the room temperature is higher than the set temp (In case of the heating operation)
- · When the "In operation for heating standby." or "In operation for defrosting." is displayed (In case of the heating operation).
- Cool air is blown horizontally not to blow directly to human body.
- · In a high humidity environment (during cooling operation)
- When you select Auto swing while the Anti draft setting is enabled, the flap will not swing and be set at flap position 1.
- Changing the left/right flap direction and 3D auto flow operation cannot be performed from the SC-SL2, SC-SL3, or SC-SL4. Also note that 3D auto flow operation will not be disabled when you change the flap direction from the SC-SL2, SC-SL3, or SC-SL4 during a 3D auto flow operation.

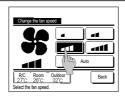
#### Note

- · Do not manually move the flaps or panel with anti draft by force. It could damage these flaps and panels.
- Do not blow air downward for a long period of time during the cooling operation. Condensation may be generated and water may drip from the side panel. (In case of Ceiling suspended type)
- For FDKs with a left/right flap, it is recommended that the flap should be set toward the right side when there is a wall on the left, or set toward the left side when there is a wall on the right. For more information, refer to the Notes in the Individual flap control section.

#### Change the fan speed



1 Tap the Change the fan speed button on the TOP screen



2 When the Change the fan speed screen is displayed, tap the button of desired fan speed.

After setting the fan speed, the display returns to the TOP screen.

Fan speeds which can be set vary depending on the models of IU.

When the Auto is selected, the fan speed is changed automatically depending on the capacity. Note that Auto is not displayed and cannot be set when SC-SL2 or SC-SL3 is connected.

#### F1/F2 switch operation

You can set any of the following functions to the F1 and F2 switches

The F1 // F2 switches act as shortcuts; it can be much easier and faster than starting an operation from the usual Menu on the TOP screen.



Changing the function of the F1 or F2 switch can be performed with the F1/F2 function setting. The following functions are set as factory settings. You may change these settings as desired. F1 switch ....High power operation F2 switch ... Energy-saving operation

- · High power operation Anti draft ON/OFF
- · Energy-saving operation Home leave mode · Favorite setting operation
- · Silent mode control · Filter sign reset

Advice

When using a standard FDT/FDTC panel (a panel without anti draft function), set functions other than the Anti draft ON/OFF function to the F1 and F2 switches. F1/F2 function setting (\*\* Refer to user's manual.

If anti draft is turned on (operated) during the use of a standard FDT/FDTC panel, louvers may not automatically swing, which is not a malfunction

#### Anti draft ON/OFF operation (for using panel with anti draft)

Anti draft can be turned ON/OFF (operated/stopped) with a single tap of the button.

To turn ON/OFF the anti draft with the F1 or F2 switch, the anti draft ON/OFF function needs to be preset to the F1 or F2 switch. (## Refer to user's manual.) Initially, Anti draft ON/OFF or high power operation is set to the F1 switch. (It is automatically determined according to the connected indoor unit.)

When the sub R/C is set. Anti draft ON/OFF setting cannot be used.

0:37(Tue)		Nenu
Coolins 33 Timer 4	Set temp 23.0 °C	Direction
In operation F1:Anti draft	for running. : ON F2:Energy	-saving

Anti draf	t ON/OFF set	ting	
000	001	002	003
ON	OFF	DN	0FF
004	005	006	007
0N	0FF	DN	0FF
008	009	010	011
0N	0FF	ON	0FF
012	013	014	015
ON	OFF	ON	OFF
ALL ON	All OFF		Back

1 Push the F1 (F2) switch. Anti draft is turned ON (operated)

"Anti draft ON" is displayed in the F1 (F2) switch function display area.

- The enabled operation mode and the enabled anti draft of the blow outlets operate based on the details set in the Anti draft setting. If anti draft is turned on (operated) during the use of the standard FDT, FDTC panel, louvers may not automatically swing, which is not a malfunction
- While the unit is stopped, anti draft does not operate even when "Anti draft ON" is displayed. Anti draft will operate when you press the Run/Stop switch to start the unit operation
- If no indoor unit equipped with anti draft function is connected, a message "Invalid request." is displayed on the R/C screen.
- Depending on how the Permission/Prohibition setting (IPRefer to user's manual.) is set, the administrator password input screen may be displayed
- 2 Press the F1 (F2) switch. Anti draft is turned OFF (stopped).
  - "Anti draft OFF" is displayed in the F1 (F2) switch function display area.
- 3 When two or more indoor units equipped with anti draft function are connected to the R/C, the indoor unit No. and the ON/OFF state of each anti draft are displayed by pressing the F1 (F2) switch. Set ON or OFF for each indoor unit. Anti draft is turned OFF by tapping ON and turned ON by tapping OFF.

All of the connected indoor units that are equipped with anti draft function are turned ON by pressing the All ON button. All of the connected indoor units that are equipped with anti draft function are turned OFF by pressing the All OFF button. In the F1 (F2) switch function display area, the anti draft ON/OFF state of the indoor unit that has the smallest address among the indoor units equipped with anti draft function is displayed.

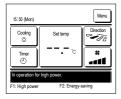
#### High power operation

The high power operation adjusts the room temperature quickly to a pleasant level by increasing the operation capacity.

The high power operation continues for 15 minutes at the maximum and returns to the normal operation automatically. When the operation mode is changed, the high power operation returns to the normal operation, too.

High power operation must be set to the F1 or F2 switch.

High power operation is set to the F1 switch as the factory setting.



1 Push the F1 (F2) switch to start the high power operation.

Operation will start when the F1 (F2) switch is pushed, even if Run/Stop switch is off.

High power operation is only allowed when Heating or Cooling is selected for the operation mode

Message "In operation for high power." is displayed on the R/C screen, and "--, -- °C" is displayed on the Set temp button during the high power operation.

Set temp and change fan speed operations are disabled during high power operation.

- 2 High power operation is terminated when you perform one of the following.
  - · When you terminate through a Run/Stop operation
  - · When you change the operation mode
  - · When15 minutes have elapsed since the high power operation started
  - · When you terminate the high power operation with the F1 (F2) switch

#### **Energy-saving operation**

Use this operation to save energy. Set temp is fixed at 28°C in the cooling operation or 22°C in the heating operation. Since the capacity is controlled automatically based on the outdoor temperature, energy can be saved without losing comfort.

Energy-saving operation must be set to the F1 or F2 switch.

Energy-saving operation is set to the F2 switch as the factory setting.

16:04 (Mon)		Menu	
Auto Ø	Set temp	Direction	
Timer	<b></b> .⁻ ∿	# ##	
In operation for energy-saving.			
F1: High power	F2: Energy-	saving	

1 Push the F1 (F2) switch to start the energy-saving operation.

Operation will start even if you press the F1 (F2) switch while the unit is stopped.

Energy-saving operation is only allowed when Heating, Cooling or Auto is selected for the operation mode.

Message "In operation for energy-saving." is displayed on the screen during the energy-saving operation. Set temp is fixed at "28.0°C" in the cooling operation or "22.0°C" in the heating operation. Set temp shows "- -°C" in the automatic operation mode.

Set temp cannot be changed during the energy-saving operation. If it is attempted, a message "Invalid request" is displayed on the screen.

- 2 Energy-saving operation is terminated when you perform the following.
  - · When you terminate through a Run/Stop operation
  - · When you change the operation mode
  - · When you terminate the energy-saving operation with the F1 (F2) switch

### 4. Menu operations

#### Restrictions on the sub R/C



When one IU is controlled with 2 R/Cs, the following settings cannot be made on the sub R/C. It is necessary to use the main R/C.

In case of the sub R/C, the icon  $\fbox{}$  is displayed on the R/C screen.

R/C operations			Main	Sub
Run/Stop, Change	set temp, Change flap direction	n, Auto swing, Change fan speed operations	0	0
Anti draft			0	×
High power operati	on, Energy-saving operation		0	0
Silent mode contro			0	×
Useful functions	Individual flap control		0	×
	Anti draft setting		0	×
	Timer		0	C
	Favorite setting		0	C
	Weekly timer		0	×
	Home leave mode		0	×
	External ventilation		0	C
	Select the language		0	C
	Silent mode control		0	×
Energy-saving sett	ing		0	×
Filter	Filter sign reset		0	C
	Grille Up and Down			C
User setting	Initial settings		0	С
	Administrator settings	Permission/Prohibition setting	0	×
		Outdoor unit silent mode timer	0	×
		Setting temp range	0	×
		Temp increment setting	0	×
		Set temp display	0	C
		R/C display setting	0	C
		Change administrator password	0	C
	1	F1/F2 function setting	0	C

\* When two or more IUs are connected to the R/C, you cannot select an IU from the sub R/C.

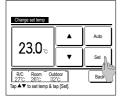
All grilles will move up and down simultaneously.

When a desired menu item is tapped, setting screen for each item is displayed.

#### **Operations on menu screens**

8:400Mon)		Nerry
Coolins	Set temp 23.0 °C	
Now stopping F1High power		saving

Menu		
Useful functions		
Energy-saving setting		
Filter		
User setting		
Service setting		
Select the item.	New Back	



2 When the Next button is tapped, next main menu screen is displayed.

4 When the Set button is displayed

on the setting screen for each item,

If you tap Back without tapping the

Set button, the settings made will not

be applied, and the display returns to the

tapping this button confirms the

 Tap the Menu button on the TOP screen. Main menu screen is displayed.



When there are two or more pages, the <u>Next</u> button is displayed at the leading page and the <u>Previous</u> button is displayed at the last page. The <u>Next</u> and <u>Previous</u> buttons are displayed on pages in between.

3 When the Back button is tapped, the display returns to the TOP screen.

- 5 When an item is referenced to Administrator password in this manual, the Input password screen is displayed after selecting the menu.

Enter the administrator password (4-digit number) and tap the Set button.

When the password is unknown or wrong, the setting cannot be changed.

#### Advice

The administrator password is provided so that these operations and settings are restricted to administrators/managers only (such as the owner of the building).

 $\cdot$  For the administrator password at the factory setting, refer to the Installation Manual.

When your administrator password is forgotten, initialize the password by referring to the Installation Manual.

setting.

original screen.

#### Cautions for each setting screen

· When returning to the screen mentioned below from each setting screen, operate the following buttons or switches.

- Return to Main screen ··· Menu button
- Return to the last previous screen ··· Back button

Return to TOP screen ··· Run/Stop switch

- When the Back button is tapped without tapping the Set button on the way of setting, contents of the setting are invalidated, and the display returns to the last previous screen. If the Run/Stop switch is pushed on the way of setting, contents of the setting are invalidated, the setting mode is terminated and the display returns to the TOP screen
- . If no button is operated for approx. 5 minutes on the way of setting each item, the display returns to the TOP screen automatically. Contents of the setting on the way become invalid
- · Message "Invalid request" may be displayed when a button is pushed. This is not a fault but it is because the button is set to the Prohibition.
- . It is necessary to stop the air conditioner by pushing the Run/Stop switch before starting the following settings.

If the Set button is tapped on the menu screen while the air conditioner is operating, the message "Invalid request." is displayed. Grille Un and Down

Individual flap control

Select the language

Energy-saving setting Administrator settings

### 5. Settings and operations

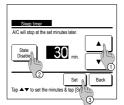
#### Energy-saving setting [Administrator password]

Sleep timer	
Peak-cut timer	
Automatic temp set ba	
	Back

- 1 Tap the Menu button on the TOP screen and select Energy-saving setting. The Energy-saving setting menu screen is displayed.
- 2 When the Energy-saving setting screen is displayed, select a desired item.
  - · Sleep timer
  - · Peak-cut timer
  - · Automatic temp set back
  - Motion sensor control

#### Sleep timer

Stops operation when the amount of time set has elapsed since the start of each operation.



- 1 Tap the Menu button on the TOP screen and select Energy-saving setting ⇒ Sleep timer. The Sleep timer screen is displayed.
- 2 Select a desired time with ① ▲ buttons. Setting range: 30 to 240 minutes, at 10-min intervals.
- 3 Tap the ② State button to switch between "State Enable" and "State Disable".
- · "Enable": operation stops at the set time every time.
- · "Disable": the sleep timer does not operate.
- Unless the Sleep timer is used, set at the "State Disable".
- 4 After the setting, tap the 3 Set button. The display returns to the Energy-saving setting menu screen.

#### Peak-cut timer

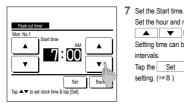
Set the times to start and stop the capacity (upper limit) limiting operation and the peak-cut %.

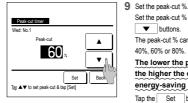
#### Advice

· When the peak-cut timer is used, be sure to m · The peak-cut timer control may not be perform	
	1 Tap the Menu button on the TOP screen and select Energy-saving setting ⇒ Peak-cut timer
Peak-cut timer	When the setting range selection screen for the peak-cut timer is displayed, select the day of the week to be se
Select the item.	① Weekdays : Monday - Friday
Weekdays A Sat, Sun A	② Sat. Sun : Saturday, Sunday (IFF 4)
All days	③ All days : Monday - Sunday
3 4 Back	(4) Each day : Moves to the day of the week setting screen. ( $\imath \not\!$

### Peak-cut timer n Tue Wed Thu Fri Sat Sun ing:Tap selecte Back All Dispha 3

Μ	Peak-cut on		1	Ŀ
_	State	Start time	End time	*
1	Enable	7:00 PM	8:00 PM	40%
2	Disable	7:00 AM	8:00 AM	80%
3	Disabl	m		
4	Disable	6		
Ē	Change	Enter		Back
Se	lect a lit	& tap [Change]		_





vv	eekdays State	Start time	End time	%
1	Enable	7.00 PM	8:00 PM	40%
2	Disable	7:00 AM	8:00 AM	80%
3	Disable			
4	Disable			
	Change	Enter	<u>]</u>	Back

- 2 If a desired day of the week ① is tapped on the display, contents of current setting for the day are displayed. (1975)
- 3 For the holiday setting, tap the block (2) under a day to switch between """ (the holiday setting) and "(Blank)" (reset).

Timer does not operate on the day set as holiday.

Two or more holidays can be set.

- To enable the timer on the day set as holiday, it is necessary to reset the holiday setting.
- 4 When tapping (3) "All Disable" button, the timer does not operate on all days of the week.

When the timer is used, be sure not to set "All Disable".

5 Screen to check contents of current setting is displayed. When the contents are changed or new setting is added, select a (1) setting line No. and tap the 2 Change button.

Set the hour and minute with the

Setting time can be set at 5-min

button after the

▲ ▼ buttons.

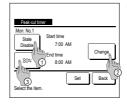
intervals

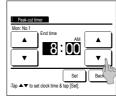
Tap the Set

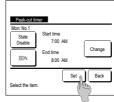
buttons.

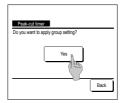
40%, 60% or 80%.

setting. (188)









- 6 Detail setting screen for the timer setting contents is displayed.
  - 1) Tap the State button to switch between "State Enable" and "State Disable".
  - (2) If the Change button is tapped, the start time and the end time can be set. (☞7)
  - ③ If the Peak-cut button is tapped, the peak-cut % can be set. (1999)
- 8 Set the End time.

Set the hour and minute with the ▲ ▼ buttons. End time can be set from 5 minutes after the Start time up to 24:00 at 5-min intervals Tap the Set button after the

setting. (12710)

- 10 The setting content check screen (IFF 6 ) is displayed. If the Set button is tapped, the contents are confirmed and a day of the week setting content check screen (1985) is displayed.
- 11 If the settings are corrected or added further within the same day, repeat the setting. (☞5)
  - When contents of the setting are duplicated, the priority is given to the set contents of smaller neak-cut %
- 13 Display the group setting acknowledge screen. Tap the Yes button to save the setting

The display changes to a day of the week setting check screen after the saving. (☞2)

14 When making the setting after changing a day of the week, repeat the setting from the step 2.

## Set the peak-cut % with the The peak-cut % can be set at 0%, The lower the peak-cut % is,

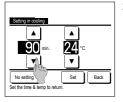
the higher the effect of energy-saving becomes. Tap the Set button after the setting. (1710)

- 12 Display a day of the week setting content check screen. To save the setting, tap the Enter button.
  - a) In case of group setting: (1-① Weekdays, 1-2 Sat, Sun, 1-3 All days) Move to the group setting check screen. (☞13)
  - b) In case of individual setting: (1-④Each day) Save the setting and move to a day of the week selection screen (☞2)

#### Automatic temp set back

It returns to the set temperature when the set time is counted up.





- 1 Tap the Menu button on the TOP screen and select Energy-saving setting ⇒ Automatic temp set back. The Automatic temp set back screen is displayed.
  - Tap <u>Setting in cooling</u> when setting for the cooling operation or <u>Setting in heating</u> when setting for the heating operation. The Setting in cooling operation includes the cooling, dry and auto.
  - The Setting in heating is for the heating operation only.
  - Setting time range: 20 120 min, at 10-min intervals

Set temp range: It can be set within the preset temp range set according to the set temp range menu.

2 Set desired time and temperature with the buttons. When the Set button is tapped, contents of setting are confirmed, and the display returns to the last previous screen.

When the No setting button is tapped, "-- min. -- °C" is displayed, and the "Automatic temp set back" is not performed.

Setting in heating	
<u>30</u> min.	<u>25</u> ∘∘
No setting Set the time & temp to ret	Set Back

3 The same setting method as the Setting in the cooling operation can be applied to the Setting in heating.

#### Motion sensor control (for IUs with motion sensors)

Presence of humans and the amount of motion are detected by a motion sensor to perform various controls.

When the R/C is set as the sub R/C, the motion sensor control cannot be set.

Notion sensor con	trol
Power control Auto-off	Disable Enable
Select the item	Set Back

- 1 Tap the Menu button on the TOP screen and select Energy-saving setting ⇒ Motion sensor control The Motion sensor control screen and contents of the current settings are displayed.
  - Enable/disable power control.

  - (2) Enable/disable auto-off.
  - ③ After you set each item, tap the Set button.

The display returns to the Energy-saving setting menu screen.

20:20 (Tue)		Menu
Heating	Set temp	Direction
Timer ②	23.0	
Power control	ON	
F1: High power	F2: Energy-	saving

16:32 (Mon)		Menu
Cooling	Set temp	Direction
Timer (2)	23.0₀	*
In auto-off mor	le	
F1: High power	F2: Energy	-saving

· When power control is enabled

The amount of human motion is detected by a motion sensor to adjust the Set temp.

During power control, "Power control ON" will be displayed on the message display.

· When auto-off is enabled

The unit will enter the "Operation wait" state when an hour has elapsed since the last time a human presence was detected and will be in "Complete stop" state after another 12 hours.

"Operation wait"...The unit stops but will resume operation when human presence is detected.

When the unit is in "Complete stop", "In auto-off mode" will be displayed on the message display.

"Complete stop"...When auto-off is enabled, the unit stops.

The unit will not resume operation even when human presence is detected.

The message "In auto-off mode" will disappear from the message display, and the operation lamp will turn off.

Grille Up and Down (when using automatic grille up and down panel)

### **ACAUTION**



Before you perform any operation, make sure that the suction grille motion range is free of persons and objects.

Contact with the suction grille may result in injury or damage of objects.



Do not touch the suction grille or wires when the suction grille is in motion.

You may get hit by the suction grille or become caught in wires, leading to injury.



**Do not forcibly pull down the suction grille while the unit is stopped.** This may cause damage to the lifting motor or wires.



Do not bend the wires or allow flame (from cigarettes, etc.) to come in close or direct contact with the wires.

This may cause breaking of wires, which can lead to the suction grill or air filter to fall and result in personal injury.

MEETING1 16:00 (Mon) Aub (2) Time" 23.0 (c) 5	The grille up and down operation can be performed by any of the following methods: Tap the <u>Menu</u> button on the TOP screen and select <u>Filter</u> $\Rightarrow$ <u>Grille Up and Down</u> . Set the Switch function to Grille Up and Down and press the <u>F1</u> or <u>F2</u> switch. Tap the message display while the message "Filter cleaning. Touch here." is displayed.
Room(Ric) 22C	Depending on how the Permission/Prohibition setting is set, the administrator password input screen may be displayed. After you perform the above operation, enter the Grille Up and Down mode. The unit in operation will automatically stop. However, units operated with a central control (optional) will stop when you perform the grille up and down operation (step 3 using

When one IU is connected to the R/C: #3 When two or more IUs are connected to the R/C: #2

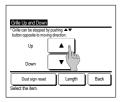
#### Advice

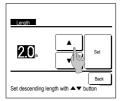
• The message "Invalid request" may be displayed when you tap the Grille Up and Down button. This does not indicate a failure; this message is displayed because the automatic grille up and down panel is not used.

· If you press the Run/Stop switch in the middle of an operation, the Grille Up and Down mode will terminate, and the display returns to the original display.

IU select	I		
000	0010 0	202	003
004	005	006	007
All units Select an IU a		Vext "	Back

2 When two or more IUs are connected to the R/C, a list of IUs is displayed. Tap the IU to perform the grille up and down operation. To make all connected UIs perform the grille up and down operation simultaneously, tap the All units button.





- 4 Set the descending length of the suction grille.
  - The descending length can be set in units of 0.1 m using the **buttons**. Descending length setting range: 0.1 to 4.0 m.

To stop the descending motion of the suction grille at any point, tap the button.

To stop the ascending motion of the suction grille at any point, tap the volume button.

To set the descending length of the suction grille, tap the Length button (1274).

3 When you tap the volume button, the suction grille will lower down to the descending length that was set and stops automatically.

To retract the suction grille, tap the button. The suction grill will move up, retract, and stop automatically.

5 After you set the descending length, tap the Set button.

#### Note

- When the suction grille is in descending motion, and you operate the unit from another R/C set as main/sub or from an option such as the central console, the unit will start operation (R/C display will remain the same).
- · During heating operation, selecting Grille Up and Down may cause the IU fan to continue rotating for approximately 40 seconds.

#### Advice

- When the R/C is set as the sub R/C, IU unit selection cannot be made. All units will perform the up and down operation simultaneously.
- When the suction grille comes to a stop at its prescribed position, the two wires may sag approximately 8 cm (max), and the suction grille may tilt, but this will be corrected automatically when the grille retracts.
- · A loud sound may be heard due to this correction motion at the retraction position, but this does not indicate a failure of the unit.
- When wire sag is detected due to the grille running over an obstacle, etc. the grille may not perform the up and down operation to avoid wires to get tangled. Remove the obstacle, tension the wires, and press the

## Individual flap control

Motion range (upper, lower, left, or right limit positions) of the flap at each blow outlet can be set to a desired range

When the R/C is set as the sub R/C, the individual flap control cannot be set.

1 Tap the Menu button on the TOP screen and select Useful functions = Individual flap control, or tap the Change flap direction button on the TOP screen and select Ind, flap control, and then enter the administrator password.

When one IU is connected to the R/C: #3

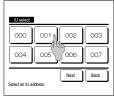
When two or more IUs are connected to the R/C: IF2

#### Advice

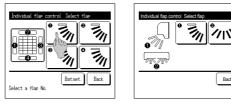
lan Sw

Individual flap control should be set when the unit is stopped

. When you perform Individual flap control while the unit is in operation, the acknowledge screen for unit stop is displayed



2 When two or more ILIs are connected to the R/C a list of ILIs is displayed. Tap the IU to be set.



- 3 Select the number of the flap of which the motion range is changed. (1274)
  - When you perform Individual flap control while the unit is stopped and there are two or more flaps at the blow outlet, such as the FDT type, the flap at blow outlet No. (1) will keep moving while the blow outlet selection screen is displayed. The figure displayed on the screen shows the installed unit viewed from the floor side. Select the flap based on this figure. When you have selected the blow outlet, the flap with the number you selected will move.

Advice

This operation is not performed when individual flap control is set during operation.

You can set all flaps at once by tapping the Bat.set. button (except for FDKs with a left/right flap) When there is only one flap at the blow outlet, such as the ceiling suspended type only the flap that can be set will be displayed.

For an FDK with a left/right flap, select the upper/lower flap or left/right flap.

When you select the upper/lower flap (1); ##4

- When you select the left/right flap (2): 178
- 4 Select one of the upper limit positions from 1 to 6 for the flap motion range

After you select the range, tap the Set button.

6 Acknowledge screen for the flap motion range is displayed.

8 Select one of the left limit positions

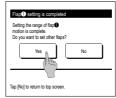
range

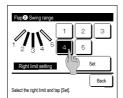
from 1 to 5 for the flap motion

After you select the range, tap the

Set button.









[For FDT]

Back



5 Select one of the lower limit positions from 1 to 6 for the flap motion range.

The range of motion between the upper and lower limit positions will be displayed in black.

After you select the range, tap the Set button.

- 7 Acknowledge screen for the completion of setting is displayed. To change other flap motion ranges, tap the Yes button (☞3). To terminate the setting, tap the No button. The display returns to the TOP screen.
- 9 Select one of the right limit positions from 1 to 5 for the flap motion range.

The range of motion between the left and right limit positions will be displayed in black.

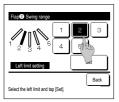
After you select the range, tap the Set button.

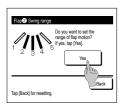
Set Upper limit setting Back Select the upper limit No. & tan ISef Flan Swing rat Do you want to set the range of flap mo If yes, tap [Yes]. Yes Bar Tap (Back) for resetting.

Δ

[When left/right flap is selected for an FDK with a left/right flap]

6





10 Acknowledge screen for the flap motion range is displayed.

Flap Setting is completed
Setting the range of flap motion is complete. Do you want to set other flaps?
Yes No
100
Tap [No] to return to top screen.

#### Advice

When the unit is installed within 50 cm from a wall, it is recommended that you change the range of the left/right flap motion as follows: · When installed at the right end of the wall Left/right flap motion range 1 to 4 When installed at the left end of the wall Installed at Installed at Left/right flap motion range 2 to 5 the left end the right end

No.(2

Nn (4

Blow outlet No.

[For FDT]

Drain hose side

Pipe side

11 Acknowledge screen for the completion of setting is displayed. To change other flap motion ranges, tap the Yes button. (1973) To terminate the setting, tap the No button. The display returns to the TOP screen.

## Anti draft setting (for using panel with anti draft)

You can set ON/OFF (operation/stop) of the anti draft function and can also enable/disable the motion of panel with anti draft for each blow outlet for each operation mode.

operation mode. (FF36)

When the R/C is set as the sub R/C, the anti draft setting cannot be set.

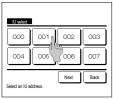
1 Tap the Menu button on the TOP screen and select Useful functions ⇒ Anti draft setting The Anti draft setting menu is displayed.

1) Details .....

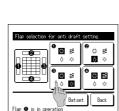
Depending on how the Permission/Prohibition setting (IPRefer to user's manual.) is set, the administrator password input screen may be displayed 2 Tap a desired item.

<u>Anti draft settins</u> Details	
ON/OFF setting	
	Back
Select the item.	

### Details



1 When two or more IUs are connected to the R/C, a list of IUs is displayed. Tap the IU to be set.



The flap at blow outlet No. ① will keep moving while the blow outlet selection screen is

An icon that indicates the operation mode is shown on each blow outlet button.

When the anti draft setting is enabled, the icon color will be reversed (for example, in the left figure, blow outlets which have the anti draft setting enabled during

displayed. Select the flap based on this figure. When you have selected the blow outlet,

the flap with the number you selected will move. The figure displayed on the screen shows



Drain hose side

Nn 2

Nn (4

Louver No.

[For FDTC]

Νn

Pipe side

3 Select enable/disable for each operation mode. After you make the selection, tap the Set button. The display returns to the blow outlet selection screen.

ON/OFF setting

Anti draft	ON/OFF set	ting	
000	001	002	003
0N	0FF	ON	0FF
004	005	006	007
0N	0FF	0N	DFF
008	009	010	011
0N	0FF	ON	OFF
012	013	014	015
0N	0FF	ON	OFF
ALL ON	All OFF		Back

1 The indoor unit No, and the ON/OFF state of each anti draft function are displayed to allow ON/OFF setting of the anti draft. Anti draft is turned OFF by tapping ON and turned ON by tapping OFF.

When two or more indoor units equipped with anti draft function are connected to the R/C, the two or more indoor units are displayed

All of the connected indoor units that are equipped with anti draft function are turned OFF by pressing the All OFF button. All of the connected indoor units that are equipped with anti draft function are turned ON by pressing the All ON button.

#### (2) ON/OFF setting ..... ...You can set ON/OFF (operation/stop) of anti draft function for the enabled blow outlet set in ① Details. (##36)

2 Select the blow outlet number to set anti draft.

the installed unit viewed from the floor side. You can set all blow outlets at once by tapping the Bat.set. button.

cooling are numbers (1), (3), and (4))

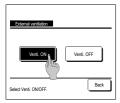


.You can set Enable or Disable for anti draft motion performed at each blow outlet in each

## Ventilation operation (when ventilation device is installed)

The ventilation is turned on or off if the ventilation device is installed.

- 1 Tap the Menu button on the TOP screen and select Useful functions ⇒ External ventilation
  - The ventilation operation is enabled in case that the External ventilation is set "Independent" (refer to the installation manual for details).
  - In case that the External ventilation is set "Disable" or "Interlocking" the ventilation operation is disable.



2 The External ventilation screen is displayed. If the Venti, ON button is tapped, the ventilation operation starts.

To stop the ventilation operation, tap the Venti. OFF button.

In case that the Ventilation is set "Interlocking", the ventilation operates interlocked with Run/Stop operation of air conditioner (refer to Installation Manual).

## Initial settings

Initial settings	Initial settings
Clock setting	Controller sound
Date & time displa	Operation lamp luminance
Summer time	
Contrast	
Backlight	
Next Back Select the item.	Previous Back Select the item.

1 Tap the Menu button on the TOP screen and select User setting ⇒ Initial settings

2 When the "Initial settings" menu screen is displayed, tap a desired item.

- · Clock setting
- · Date & time display
- Summer time
- Contrast
- Backlight
- · Controller sound
- Operation lamp luminance

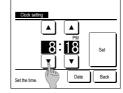
#### Clock setting

You can set and correct the current date and time.

**1** Tap the Menu button on the TOP screen and select User setting  $\Rightarrow$  Initial settings  $\Rightarrow$  Clock setting



- 2 The "Clock setting" screen is displayed. Set the "dd/mm/yy" with the
  - buttons. Tap the Time button after the
  - setting
  - The "clock setting" is necessary for the
  - following settings.
  - · Peak-cut timer · Set ON timer by clock, Set OFF timer by clock
  - · Weekly timer
  - · Outdoor unit silent mode timer
  - · Filter sign reset, Setting next cleaning date



3 Set the "hour : minute" with the ▲ ▼ buttons on the clock setting screen. Tap the Set button after the setting. To change "dd/mm/yy" tap the Date button.

#### Date & time display

You can set and correct the date & time display.

1 Tap the Menu button on the TO	$ P \text{ screen and select } User \text{ setting } \Rightarrow \text{ Initial settings } \Rightarrow [$	Date & time display
Date & time display       Date & time     ON       OFF     OPF       Aday of the week     ON       Display method     124       Position of AN / PM     Interview       Select setting     Select setting	$\begin{array}{c} 2 \\ \mbox{The Clock setting screen is displayed.} \\ \hline Tap \left[ \begin{array}{c} \overline{OFF} \\ \end{array} \right] / \left[ \begin{array}{c} \overline{ON} \\ \end{array} \right] for the Date and time. \\ \hline Tap \left[ \begin{array}{c} \overline{OFF} \\ \end{array} \right] / \left[ \begin{array}{c} \overline{ON} \\ \end{array} \right] for A day of the week. \\ \hline Tap \left[ \begin{array}{c} \overline{OFF} \\ \end{array} \right] / \left[ \begin{array}{c} \overline{ON} \\ \end{array} \right] for A day of the week. \\ \hline Tap \left[ \begin{array}{c} \overline{OFF} \\ \end{array} \right] / \left[ \begin{array}{c} \overline{OFF} \end{array} ] / \left[ \begin{array}{c} \overline{OFF} \end{array} \right] / \left[ \begin{array}{c} \overline{OFF} \end{array} ] / \left[ \begin{array}{c} \overline{OFF} \end{array} ] / \left[ \begin{array}{c} \overline{OFF} \end{array} ] / \left[ \begin{array}{c} \overline{OFF} \end{array} $	3 Tap the Set button after the setting

Changing from Disable to Enable ... (Current time + 1 hr) is displayed. Changing from Enable to Disable ... (Current time - 1 hr) is displayed.

#### Summer time

You can adjust the current time by one hour.

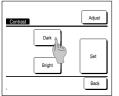
1	Tap the	Menu	button on the T	OP screen and select	User setting	]⇒[	Initial settings	⇒	Summer time	].

	2	The Summer tir	me setting	scr	een is disp	olayed.
Summer time		Changing from	Disable	to	Enable	] (Ci
Enable		Changing from	Enable	to	Disable	] (Ci
Disable						
Select the item. Back						

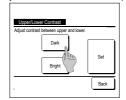
#### Contrast

You can adjust the contrast of the LCD.

**1** Tap the Menu button on the TOP screen and select User setting  $\Rightarrow$  Initial settings  $\Rightarrow$  Contrast .



2 The Contrast Adjustment screen is displayed. Tap the "Contrast" on the Initial settings menu screen. The contrast on the screen changes by tapping the Dark or Bright button to select a desired contrast. 3 Tap the Set button after the setting.



- [When the contrast differs between the top and bottom of the screen]
  - 4 Tap the Adjust button to display the Upper/Lower Contrast screen.
  - 5 The contrast of the lower half of the screen changes when you tap the Dark / Bright button. Adjust the contrast so that the upper and lower halves of the screen match.
  - 6 After you make the settings, tap the Set button.

## Backlight

You can turn ON/OFF the backlight and set the lighting period.

1 Tap the Menu button on the T	TOP screen and select User setting $\Rightarrow$ Initial settings $\Rightarrow$ Backlight.	
BISSING OFF DFF Seted he item. Book	<ul> <li>2 The Backlight setting screen is displayed. Tap the ON or OFF buttons for the backlight lighting and the lighting Period (5 - 90 sec, at 5-sec inter ON The 'Backlight' lights when the LCD is tapped. If no operation is made for the set time, it turns off automatically. OFF The 'backlight' does not light even if the LCD is tapped.</li> <li>3 Tap the Set button after the setting.</li> </ul>	vals).

#### Controller sound

You can set to have the controller sound ON/OFF when the touch panel is operated. 1 Tap the Menu button on the TOP screen and select User setting ⇒ Initial settings ⇒ Controller sound 2 The Controller sound setting screen is displayed. Tap ON or OFF for the controller sound. ON ... When a button on the screen is tapped, a "beep" sounds. OFF OFF ... There is no beep. Back Select the item Operation lamp luminance You can adjust the operation lamp luminance. 1 Tap the Menu button on the TOP screen and select User setting ⇒ Initial settings ⇒ Operation lamp luminance 2 The Operation lamp luminance adjustment screen is displayed. You can adjust the luminance of the operation lamp to a desired level by tapping the Light / Tark button. Operation lamp luminance 3 After you make the settings, tap the Set button. **▲**Light 10 Set ▼Dark Back Use AT to adjust light and dark Timer Advice The Clock setting must be made when the Set ON timer by clock or Set OFF timer by clock is used. button on the TOP screen and select Useful functions ⇒ Timer 1 Tap the Menu 2 Tap a desired item on the Timer menu. · Set ON timer by hour Timer · Set OFF timer by hour Set ON timer by hour Set OFF timer by h · Set ON timer by clock Set ON timer by clock · Set OFF timer by clock Set OFF timer by clock Confirm When the timer is set, the Confirm button is displayed. Back Confirm Select the item The button is not displayed unless the timer is set. Operation of each timer Setting of each timer can be combined. Allowable combination settings are as shown below. Sleen timer Allowable combination setting (O: Allowed, X: Prohibited) Stops the operation of the unit when the amount of time set has elapsed since the start of the operation. When the setting is enabled, this timer will activate whenever any operation starts Set ON timer by hour When the set time elapses, the air conditioner starts Operating conditions at the start of operation can be set. Operation takes place once at each setting. If a prohibited combination setting is made, a message "The combination can't be accepted" is · Set OFF timer by hour When the set time elapses, the air conditioner stops.

- Operation takes place once at each setting.
- · Set ON timer by clock
- The air conditioner starts at the set time.
- Operating conditions at the start of operation can be set.
- Only one day (Once) operation or operation Everyday can be set.
- · Set OFF timer by clock
- The air conditioner stops at the set time.
- Only one day (Once) operation or operation Everyday can be set
- Weekly timer
- On timer and Off timer on weekly basis can be set.

	Sleep	OFF: Hours	ON: Hours	OFF: Clock	ON: Clock	Weekly
Sleep	$\sim$	X	X	0	0	0
OFF: Hours	×	/	×	×	×	×
ON: Hours	×	×	/	×	х	X
OFF: Clock	0	×	×	/	0	X
ON: Clock	0	×	×	0	/	×
Weekly	0	×	×	×	×	/

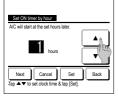
displayed for 3 seconds.

- ■Priority order of the timer settings (①→③) is as follows.
- ① Set OFF timer by hour/clock, weekly OFF timer
- ② Sleep timer
- 3 Set ON timer by hour/clock, weekly ON timer
- On the TOP screen, the timer is displayed from the earliest one out of OFF time of the sleep timer ON time and OFF time

#### Set ON timer by hour

When the set time elapses, the air conditioner starts.

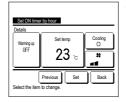
1 Tap the Menu button on the TOP screen and select Useful functions ⇒ Timer ⇒ Set ON timer by hour



2 The Set ON timer by hour setting screen is displayed. Select desired hours for the period to start operation by timer with the buttons.

Range of setting time: 1 to 12 hours (at 1-hr intervals)

3 When operating conditions at the start of operation are set, tap the Next button. (##4) When operating conditions are not set, tap the Set button.



#### 4 Set the following operating conditions. ① Warming up ON/OFF (the Main R/ C only)

Operation mode ... IF 5

③ Set temp … ☞6

④ Fan speed … ☞7

Warming up setting can be made with the main R/C only.

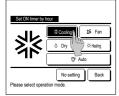
Set the operation mode before setting the set temperature.

#### Advice Warming up

To warm up the room temperature closed to the set temperature at the set start time of the operation, the microcomputer estimates the start time of the operation based on the last warming up operation and starts the operation 5 to 60 minutes earlier.

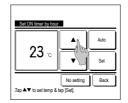
· When the warming up is turned ON, set the timer at one hour earlier or more than the start operation by timer.

If it is set in less than one hour, a message "Warming up cancelled" is displayed on the screen. (This is used as the Set ON timer by hour and clock.)



5 Tap a desired operation mode. If the No setting button is tapped, it starts operation at the last action. (PPP)

4)

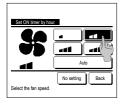


6 Select a desired temperature (at 1°C intervals) with the

▲ ★ buttons. Or tap the Auto button and select the auto temp setting.

Tap the Set button after the adjustment. (##4)

When the No setting button is tapped, "--°C" is displayed, and it starts operation at the last setting temperature.

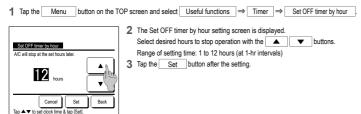


7 Tap a desired fan speed. If the No setting button is tapped, it operates at the last action. (IFF4)

8 After setting the desired contents at the screen of the step 4 on the previous page, tap the Set button. Operation will start at set hours later.

#### Set OFF timer by hour

When the set time elapses, the air conditioner stops.



#### Set ON timer by clock

Starts the operation of the unit at the set clock time.

1 Tap the Menu button on the TC	$ P \text{ screen and select}  Useful functions \Rightarrow  Timer \Rightarrow  Set ON \ timer \ by \ clock $
	2 The Set OFF timer by hour setting screen is displayed.
Set ON timer by clock	Select a desired time to start operation (5-min intervals) with the
A/C will start at the set clock time.	3 When operating conditions at the start of operation are set, tap the Next button to set operation conditions.
	The operation conditions can be set the same way as the Set ON timer by hour settings.
	If operating conditions are not set, tap the Set button.
Next Cancel Set Back	The Set ON timer by clock can be operated one day (Once) or everyday.
Tap ▲▼ to set clock time & tap [Set].	If it is operated everyday, tap the Once / Everyday button to change the display to "Everyday".

Select a desired time to stop operation (5-min intervals) with the

If it is operated everyday, tap the Once / Everyday button to change the display to "Everyday".

The Set OFF timer by clock can be operated one day (Once) or everyday.

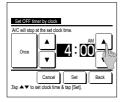
## Set OFF timer by clock

Stops the operation of the unit at the set clock time.

1 Tap the Menu button on the TOP screen and select Useful functions ⇒ Timer ⇒ Set OFF timer by clock

3 Tap the Set button after the setting.

2 The Set OFF timer by clock setting screen is displayed.



## Confirm

Timer type	Setting status
OFF:Hours	No setting
ON:Hours	No setting
OFF:Clock	No setting
ON:Clock	No setting
Weekly	5:00 PM (Wed) ON T 3: 23°C
Sleep	240min. OFF

When you tap the <u>Confirm</u> button on the Timer menu screen, the contents of the current timer settings are displayed.
 When the warming up is set, \* 3 \* is displayed in front of the operation mode on confirmation screen.

## Weekly timer

You can set four on timer and off timer operations for each day of the week.

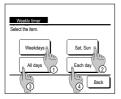
#### Advice

The Clock setting must be made when the weekly timer is used.
 The weekly timer can be set from the main RIC only.

1 Tap the Menu button on the TOP screen and select Useful functions ⇒ Weekly timer

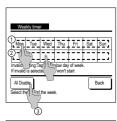
Enter the administrator password if the administrator password input screen is displayed.

There are cases that the Input password screen is displayed by the Permission/Prohibition setting.



- Weekdays : Monday Friday
   Sat. Sun : Saturday, Sunday
   (IIF 5)
   (IIF 5)
- (4) Each day : Moves to the day of the week setting screen. (  $\bowtie 3$  )

2 When the screen to select the setting range, select a day of the week to be set.



W	Weekly eekdays State	timer Type	Time	Mode	Fan	Temp
1	Enable		11:00 AM			23°C
23		ON J OFF	0:00 AM 0:00 AM	302		200
4	En G	ON 🕉	0:00 AM	Ø	Auto	Auto
<u> </u>	Change	En		Next		Back
Se	lectr) (79	& tap (Ch	ange].			

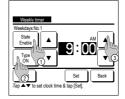
- 3 When a desired day of the week ① is tapped on the display, contents of current setting for the day are displayed. (1275)
- 4 For the holiday setting, tap the block (2) under the day to switch between "T" (the holiday setting) and "(Blank)" (reset). Timer does not operate on the day set as holiday.

Two or more holidays can be set.

To enable the timer on the day set as holiday, it is necessary to reset the holiday setting.

When tapping (3) "All Disable" button, the timer does not operate on all days of the week. When the timer is used, be sure not to set "All Disable".

5 Screen to check contents of current setting is displayed. When the contents are changed or new setting is added, select a (1) setting line No. and tap the 2 Change button.



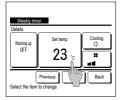
- 6 Detail setting screen for the timer setting contents is displayed.
  - ① Tap the State button to switch between "State Enable" and "State Disable".
  - between the "OFF timer" and the "ON timer"
  - intervals) with the
  - buttons. ④ In case of "ON timer" when the Next button is tapped, operating conditions at the start of operation can be set. (FF7)

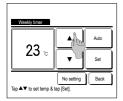
When the No setting button is

tapped, it operates with the same

7)

operation mode at the last action. (IFF





Weekly timer							
N	eekdays						
_	State	Туре	Time	Mode	Fan	Temp	
1	Enable	ON 🗗	11:00 AM	- 25	att	23°C	
2	Enable	ON	0:00 AM				
3	Enable	OFF	0:00 AM				
4	Enable	ON 🕽	0:00 AM	Q	Auto	Auto	
Change Enter Next Back							
Select a line & tap [Chan]							

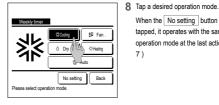
- 7 Set the following operating conditions. 1) Warming up ON/OFF
  - (Operation starts 5 to 60 minutes earlier in order to warm up the room temperature closed to the set temp at the set start time of operation.)
  - (2) Operation mode ... IF 8
  - ③ Set temp EF 9
  - (4) Fan speed Set the operation mode before setting the set temperature.
- 9 Select a desired temperature (at 1°C intervals) with the

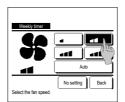
▲ ▼ buttons. Or tap the Auto button to select the Auto temp setting.

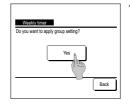
Tap the Set button after the selection. (☞7)

When the No setting button is tapped, "--°C" is displayed, and it starts operation at the last setting temperature

- 12 Display the setting contents check screen. To register the setting, tap the Enter button.
  - (1) In case of group setting (2-① Weekdays, 2-2)Sat/Sun, 2-3)All days setting), move to the group setting screen. (☞13)
  - (2) In case of the individual setting (2-④Each day setting), save the setting and move to a day of the week selection screen. (##3)







- 10 Tap a desired fan speed. When the No setting button is tapped, starts operation at the last fan speed. (☞7)
- 11 After setting desired contents at the screen of 7 , tap the Set button.

13 Display the group setting acknowledge screen. Tap the Yes button and save the setting. The display changes to a day of the week setting check screen after saving. (☞3) When making the setting after changing a day of the week, repeat the setting from the step 3.

...⊯**710** 

2 Tap the Type button to switch

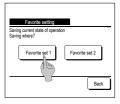
(3) Select a desired time (at 5-min

## Registering favorite settings

Operation mode, set temp, fan speed, fan direction can be registered as Favorite set 1 and Favorite set 2.

Allocating these settings to the F1 and F2 switches allows you to perform operations with these registered settings with a single tap of the button.

Refer to the F1/F2 function setting on how to set the F1 and F2 switches.



- 1 On the TOP screen, set the desired operation mode, set temp, fan speed, and flap direction.
  - Tap the Menu button on the TOP screen and select Useful functions ⇒ Favorite setting. The administrator password input screen is displayed.
  - Enter the administrator password.
  - You cannot register the favorite settings during high power and energy-saving operations.
- 2 The save location selection screen for favorite settings is displayed.
- Select the save location.
- If there is any data that was previously saved, that data will be overwritten.

## Favorite setting operation

You can start an operation with the operation mode, set temp, fan speed, flap direction registered to Favorite set 1 and Favorite set 2.

Settings for the operation mode, set temp, fan speed, flap direction can be registered from Favorite setting on the menu.

Favorite setting operation must be set to the F1 or F2 switch.



- When you press the F1 (F2) switch, the operation mode, set temp, fan speed, flap direction registered to Favorite set 1 or Favorite set 2 will be enabled.
  - Operation will start even if you press the F1 (F2) switch while the unit is stopped.
  - You can change the operation mode, set temp, fan speed, flap direction after the operation has started with the favorite setting operation. Following power on, the unit starts to operate initially with the following settings for both Favorite set 1 and Favorite set 2.
  - Tollowing power on, the unit starts to operate init Operation mode ...Cooling Set temp ...28°C Fan speed ...3-speed Flap direction ...Position 2 \*/When an FDK with a leftright flap is connected Leftright flap direction ...Center 3D AUTO ...Disabled
  - When Change set lemp, Change operation mode, Change flap direction, Change fan speed are restricted by the Permission/Prohibition setting, restricted items will not be reflected to the favorite setting operation.

## Silent mode control

The OU is controlled with priority on quietness. You can start/stop the silent mode control.

## [Starting control with Menu button]

1 Tap the Menu button on the TOP screen and select Useful functions ⇒ Silent mode control.

The administrator password input screen is displayed.

Enter the administrator password.

Start

Silent mode cont

2 The Silent mode control (Start/End) screen is displayed.

Tap the Start button to start the silent mode control.

To terminate the silent mode control, tap the End button.



- 3 During silent mode control, "Outdoor unit silent mode control ON" will be displayed on the message display. Silent mode control will not be disabled even if you press the <u>RunStop</u> switch.
  - When the sub R/C is set, the silent mode control cannot be used. During silent mode control, operation with maximum capacity is not allowed.

-43-

## [Starting control with F1 or F2 switch]

Change the F1 (F2) switch function to the silent mode control in the F1 (F2) function setting.

When you press the <u>F1</u> (<u>F2</u>) switch, the administrator password input screen is displayed. After you enter the password, the silent mode control will start. To terminate the silent mode control, press the <u>F1</u> (<u>F2</u>) switch again.

This operation is to select enable/disable of silent mode control. You cannot start the operation with the F1 (F2) switch during stop. Start the operation with the Run/Stop switch.

## Select the language

Español Italiano Set

Seleg The lansuase

Select the language to be displayed on the R/C.

[Selecting the language with the Select the language button]

23-020lilion) Menu	1 Tap the <u>Select the language</u> button on the TOP screen while the air conditioner is stopped. ■Depending on how the Permission/Prohibition setting (** Refer to user's manual.) is set, the administrator password input screen may be displayed.
Nov storens. F1High pover F2&nersv-serry h	
Solect the language	2 The menu for select the language is displayed. Select the language to be displayed on the R/C and tap the <u>Set</u> button. You can select from the following languages: English/German/French/Spanish/Italian/Dutch/Turkish/Portuguese/Russian/Polish/Japanese/Chinese

#### [Selecting the language with the Menu button]

Next Back

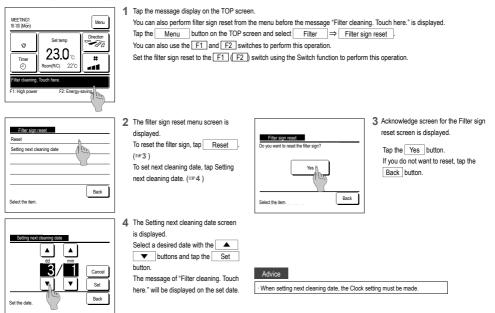
1 Tap the Menu button on the TOP screen and select Useful functions ⇒ Select the language . ■Depending on how the Permission/Prohibition setting (\*\* Refer to user's manual.) is set, the administrator password input screen may be displayed.

2 The menu for setting the language selection is displayed. Select a language to be displayed on the R/C and tap the <u>Set</u> button.

## 6. Maintenance and After-sale service

## Filter sign reset

In order to announce the time for cleaning of the air filter, the message of "Filter cleaning. Touch here." is displayed when the cumulative operation time of the IU reaches the preset time. After you clean the filter, you must reset the operation time.



## Maintenance of unit and LCD

Wipe the surface of LCD and main body of the remote control with a dry cloth when cleaning is required.

If the dirt on the surface cannot be removed, soak the cloth in neutral detergent diluted with water, squeeze the cloth tightly, and clean the surface. Wipe the surface with a dry cloth then.

#### Note

Do not use any paint thinner, organic solvent, or strong acid.

## <u>∧</u>Warning



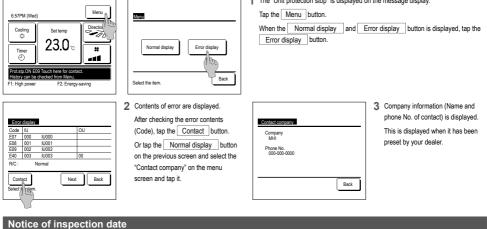
# Do not use flammable materials (e.g. hairspray or insecticide) near the unit.

Do not clean the unit with benzene or paint thinner.

It could cause crack damage to the unit, electric shocks, or fire.

## Contact company & Error display

If any error occurs on the air conditioner, the "Unit protection stop" is indicated on the message display. Take the following measures, stop the operation and consult your dealer. 1 The "Unit protection stop" is displayed on the message display.



If the next service date is set on the Service & Maintenance menu by your dealer, the following screen is displayed for 5 seconds at the start of operation and for 20 seconds from the end of operation on the beginning of the month which includes the set date.

When this screen is displayed, contact your dealer.



12 years & 9 months 10 / 2020 Usage time Next check Company Phone No

It's the end of a product's life. Please make an inspection

When the period of use exceeds 10 years, the screen shown at left is displayed. When this screen is displayed, contact your dealer.

### After-sale service

#### Inform your dealer

- Model name
- Date of installation
- Failure conditions:

Ovur address, name, and telephone number

#### Moving

The moving of the unit requires special technology. Consult your dealer. Necessary expenses for the moving of the unit will be charged.

As precise as possible.

- Repairs after Warranty Period Consult your dealer. Fare-paying services may be possible at the request of customer. (The warranty period is one year counting from the date of installation.)
- Inquiry about After-sale Service Contact your dealer or the service contact.



### MITSUBISHI HEAVY INDUSTRIES THERMAL SYSTEM, LTD.

16-5, Konan 2-chome,Minato-ku,Tokyo,108-8215, Japan http://www.mhi-mth.co.jp

三菱重工业(上海)有限公司

中国上海市延安西路2299号 上海世贸商城2905-2906室 邮编:200336 Tel:+86-21-6236-3030 Fax:+86-21-6236-0502 http://www.mhi-ac.com