



Pocket Quick Reference Guide On the **TOSHIBA**

RBC-AMS51E / RBC-AMS54E

Remote Controller





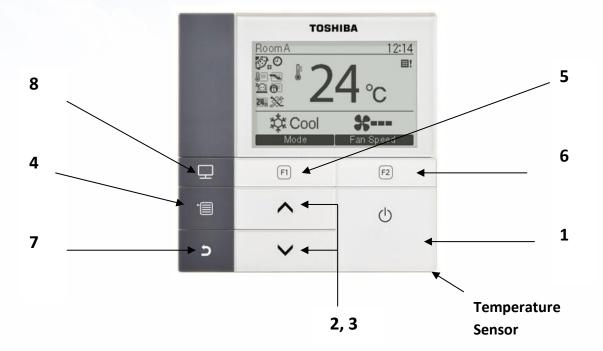




Quick Reference Guide

To assist service engineers working on Toshiba air conditioning equipment, there is a large quantity of data available via the remote controller the RBC-AMS51E/RBC-AMS54E, this data is NOT available via an Infra-Red remote or the RBC-AS41E simplified remote controller.

Accessing the data is a simple process of entering into the on-board menu of the remote controller.



Controller Layout (RBC-AMS51E).

1 - ON/OFF button

Illuminates when system is running.

2 - Temperature up button

Used in the menu screen to select menu items

3 - Temperature down button Used in the menu screen to select menu items

4 – Menu Button

Displays the menu screen.

5 - F1 button

Varies its functions according to the setting screen.

6 – F2 button

Varies its functions according to the setting screen

7 – Cancel button

Functions as indicated on the screen

8 – Monitor button

Displays the monitor screen



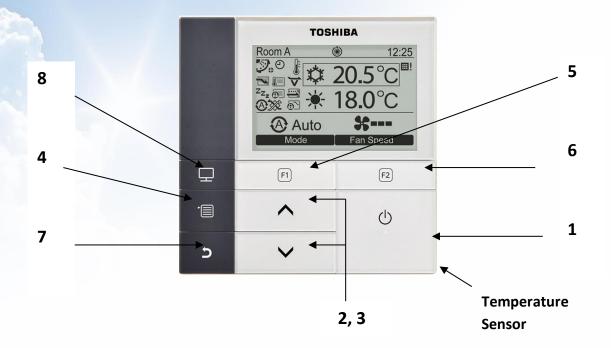






Raising the Standards in Air Conditioning Distribution

Controller Layout (RBC-AMS54E).



- 1 ON/OFF button Illuminates when system is running.
- 2 Temperature up button Used in the menu screen to select

menu items

- 3 Temperature down button Used in the menu screen to select menu items
- 4 Menu Button Displays the menu screen.

5 - F1 button

Varies its functions according to the setting screen.

6 – F2 button

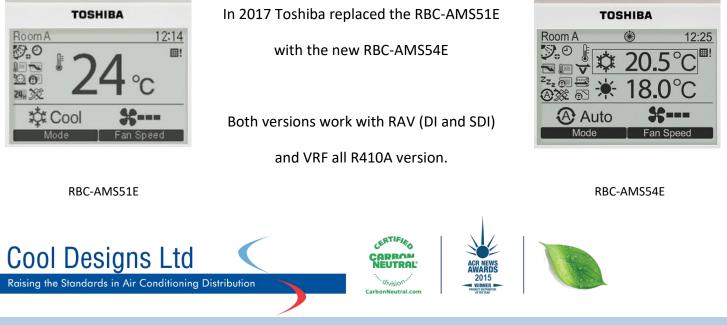
Varies its functions according to the setting screen

7 – Cancel button Functions as indicated on the screen

8 – Monitor button

Displays the monitor screen

Differences between the RBC-AMS51E and the RBC-AMS54E



The RBC-AMS54E has additional functions which are available to specific products.

		New Wired Remote Controller		
			Current	New
Model name		RBC-	AMS51E-ES	AMS54E-ES
	Monitor	Monitor		←
Monitor	Back Light		Available	←
Monitor	Language		Available (11 Languages)	←
	Fan Speed*		Three	Five
	Clock Setting		Available	←
		Setting Digit	1min	←
	Schedule Timer	Setting Patterns	8 patterns/day	←
Timer Function	Schedule Timer	Holiday Setting	Available	←
		Operation Mode	N/A	Available
	Prevent	Setting Digit	10min	←
		Setting Range	30~240min	←
	Energy Saving	Setting	10min	←
		Pattems	4 patterns/day	←
Energy Saving		Limitation	0.50.,50~100%	<i>←</i>
	Dual Set Point *		N/A	Available
	Night Operation		Available	←
Key Lock	Key Lock		Available	←
	Indication Digit	Indication Digit		←
	Range Limitation		Available	←
Setting Temp	Return Back	Setting Digit	10min	←
	Return Dack	Setting Range	10~120min	←
	Indoor Unit Temperature		Available	←
	Check Code		Available	←
Service Mode	Indicate Model Name	Indicate Model Name		←
	Contact Indication		Available	<i>←</i>
Eillen Cirre	Filter Sign		Available	Available + Clear by Manual
Filter Sign	Remaining Time		Available	←

Dual Set Point.

Fig 1

In the "Auto" mode it is possible to set the upper limit for Heating mode and the lower limit for Cooling mode

Soft Cooling.

This function limits the louver position, plus Power Saving at Start-Up, which also prevent cold drafts.

Schedule Timer which also allows the mode of operation to be set.

Increased fan speeds from 3 to 5 on indoor units which allow the increased speeds.

<u>Refrigerant Leak Indication</u>, visual indication of refrigerant leak when coupled with one of the Toshiba leak detection system

Individual On/Off temperature control. Individual control of VRF indoor units via single or multi outlet Flow Selector boxes, <u>New "e" series ONLY</u>)



	Connection Refrigerant Leakage Indication New RC : Dual-Set-Point New RC : Soft-Cooling FS Unit (Single Port) : Individual RC
SHRM-£ New FCU FS Unit (Single Port) New R/C	OK OK OK N/A
Current R/C AMS51E	OK N/A N/A N/A N/A
Multi Port FS Unit New R/C	N/A N/A N/A N/A
Current R/C AM551E	N/A N/A N/A N/A
Current FCU FS Unit (Single Port)	OK OK N/A N/A N/A
	OK N/A N/A N/A N/A
Multi Port FS Unit New R/C	N/A N/A N/A N/A
Current R/C	N/A N/A N/A N/A
AMS51E	
SMMS-e New FCU New R/C	OK OK N/A OK
AMSSIE	OK N/A N/A N/A
Current FCU	OK OK N/A N/A
Current R/C AMS51E	OK N/A N/A N/A
MiNi-SMMS-e New FCU New R/C	OK OK N/A OK
Current R/C AMS51E	OK N/A N/A N/A
Current FCU New R/C	OK N/A N/A N/A
Current R/C AM551E	OK N/A N/A N/A
SMMS-i New FCU New R/C	OK N/A N/A OK
MiNi-SMMS Side blow VRF	OK N/A N/A N/A
Current FCU	OK N/A N/A N/A
Current R/C	OK N/A N/A N/A
AMS51E	
Current FCU	AO Connection Refrigerant Leakage Indication Now RC : Now RC : Point-Set-Point-Set-Set-Cooling
DI/SDI	
Current R/C	OK N/A N/A N/A

Fig 2



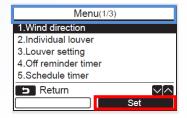
Setting the time and date, both models RBC-AMS51E/RBC-AMS54E

Setting Present Time and Day of Week

- Press the " [MENU] " button to display the "Menu screen".
- 2) Press the " [^ ^]/[V]" button to select option "10 Initial Setting" then Press the " Set Set [F2]" button.
- Select "1 Clock" then press
 " Set Set [F2]" button.
- 4) Press the " [∧ ∧] / [∨ ∨] " button to select the year, month, date & time.
 Press the " [F1] or + [F2]" button to set the value.
- 5) Press the " [MENU] " button.

Setting ON and OFF Times (scheduled operations)

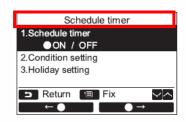
- Press the " [MENU] " button to display the "Menu screen".
- Press the "[^ ^]/[V]" button to select option "5 Schedule timer" then press the " Set Set" [F2] button.
- Press the " F1]" button to turn
 On or " F2]"to turn off the schedule timer.



Initial setting(1/2)	
1.Clock	
2.Name of room	
3.Screen contrast	
4.Backlight	
5.Key lock	
S Return	~~
Set	

	Clock	
Date	01	
Month	01	
Year	2010	
Hour	00	
Minute	00	
5 Return	Fix VA	
_	+	

Menu(1/3)
1.Wind direction
2.Individual louver
3.Louver setting
4.Off reminder timer
5.Schedule timer
S Return
Set













Raising the Standards in Air Conditioning Distribution

<u>Condition Setting</u> (Day, time, mode & temperature settings)

Press the " [^ ^]/[V V] "button to select option

"2 Condition setting" then press the " Set Set Set" [F2] button.

The current settings appear.

- a) Press the " Pay [F1]" button to confirm the settings for each day
- b) Press the " Next [F2]" button to confirm the current settings, 8 different settings appear
- 1) Press the "[MENU] " button
- Press the " [^ ^]/[V V]" button to select the day to set then press the " [F1]" button.
- 3) Press the "[^ ^]/[V V] " button to select "ON / OFF" Select "ON" to set start time and set temperature settings. Select "OFF" to set the stop time.
 "- "indicates that item has not been set.
- Press the" → [F2]" button to select time or temperature. When "- - "is displayed, time or temperature cannot be selected.
- Press the "[∧ ∧]/[∨ ∨] " button to set time or temperature.
- Press the " [F1]" to program the next pattern.
 Up to 8 patterns per day can be programmed.
- Press the " [MENU] "button. Screen returns to the day selection screen.
- 8) Press the " [^ ^]/[V V] " button to select the next day to set.
 Repeat steps 3 to 8 above to program the running patterns for each day.
- 9) Press the " [I MENU] "button.
 Press the " Yes [F1]" to confirm
 Press the " No [F2]" to return to the setting screen.

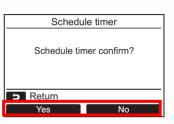
Schedule timer	
1.Schedule timer	
ON / OFF	
2.Condition setting	
3.Holiday setting	
🗩 Return 🔳 Fix	~[^]
Set	

	Sche	dule timer	(1/3)	
Day	: Monda	y		_
1.		:	-−°C	
2.		:	–−°C	
3.		:	−−°C	
4.		:	−−°C	_
5	Return	🔳 Set		
	Day		Next	

	Schedule timer(1/3)			
Day	:	Monday		
1.		:	−−°C	
2.		:	−−°C	
3.		:	−−°C	
4.		:	−−°C	
5	Return	🔳 Fix		
	Ļ		Reset	

	Schedule timer(3/3)				
Day	: Mono	lay			
5.	ON	13:00	25°C		
6.	OFF	17:00	–−°C		
7.	ON	22:05	25°C		
8.	OFF	23: <mark>45</mark>	_−°C		
5	Return	🔳 Fix			
	Ļ		\rightarrow		

	Schedule timer(3/3)				
Day	: Monday				
5.	ON	13:00	25°C		
6.	OFF	17:00	−−°C		
7.	ON	22:05	25°C		
8.	OFF	23: <mark>45</mark>	–−°C		
5	Return	🔳 Fix		~[^	
	Ļ		\rightarrow		





To delete the settings for each day

- 1) Press the "Reset [F2]" button on the day selection screen.
- Press the "Yes [F1]" button.
 The schedule for the day selected is deleted.
- 3) Press the " No [F2]" button to Return to the "Condition setting screen"

To copy the settings of the previous day.

- 1) Press the " [I MONITOR] " button on the day selection screen.
- Press the "Yes [F1]" button.
 The schedule for the previous day is copied.
- 3) Press the " **No** [F2]" button to Return to the "Condition setting screen"

Holiday (Day omit) setting.

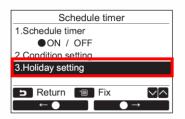
- From the "Scheduled timer screen" Press the " [∧ ∧]/[∨ ∨] "button to Select option "3 Holiday setting"
- 2) Press the " Set [F2]" button.
- 3) Press the " Day [F1] button to select the day, and then press the " Set [F2]" button to set. Press " Set [F2]" button So that " ● "is displayed on the day when the

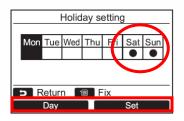
Schedule timer is **NOT** used

	Sche	edule timer	(3/3)
Day	: Mono	lay	
5.	ON	06:00	25°C
6.	OFF	10:00	−−°C
7.	ON	10:13	25°C
8.	OFF	11:45	−−°C
5	Return	' Fix	
	Ļ		Reset
	Sc	hedule tim	or
	00		
Dele	ete the da	ay setting?	
	Determ		
	Return		
	Yes		No

	Schedule timer(1/3)			
Day	:	Tuesday		
1.		:	_−°C	
2.		:	−−°C	
3.		:	−−°C	
4.		'	−−°C	
5	Return	🔳 Fix		
	Ļ		Reset	

Schedule timer		
Copy the previous day setting?		
5 Return		
Yes No		







Fault Code Guide both models RBC-AMS51E/RBC-AMS54E



Current fault codes are displayed automatically at the top of the LCD display, (Warning symbol, Code: *** along with the affected unit no.)

Main power switch flashes "Green".

Fault code history can be accessed by accessing the "Field Setting Menu"

- Press the "[MENU] " button to display the menu screen
- 3) Scroll down to item "3" using the[∨ ∨] button.
- 4) Press "F2" Set

Menu(1/3)		
1.Wind direction		
2.Individual louver		
3.Louver setting		
4.Off reminder timer		
5.Schedule timer		
S Return		$[\sim] \land$
	Set	

Field set	ttina menu		
1.Test mode			
2.Register service	info.		
3.Alarm history	3.Alarm history		
4.Monitor function			
5.DN setting			
Return			
	Set		

	Alarm history				
	Unit Code Date Time				
1.	1–2	E04	31/12/2010	12:25	
2.	-	-	-	-	
3.	-	-	-	-	
4.	-	-	_	-	
5	Ret	urn		$\sim [\land]$	
			Res	et	

A list of the latest 10 alarm codes along with date, time and unit are displayed.

The oldest data are deleted in order to record the newest, the date and time when the error occured for the first time are displayed for any repeated alarms.

• Refer to the Technical Handbook for fault code diagnosis and descriptions



To erase the fault code history.

Codo Doscriptio

1) Press the "**Reset** [F2]" button whilst the list of alarm codes is displayed.

	Alarm history				
	Unit	Code	Date	Time	
1.	1–2	E04	31/12/2010	12:25	
2.	_	-	_	-	
3.	-	-	-	-	
4.	-	_	-	-	
5	Ret	urn		\sim	
			Res	set	

2) When the display has changed press

the "Yes [F1]" button.

Alarm	history	
Reset all alarm data.		
Return		
Yes	No	

Code	Description
E01	No communication between remote controller and indoor unit. (Master indoor unit maybe switched off)
E02	Local controller failure – unable to transmit
E03	Master indoor unit receives no data to A-B (Could also show as E01 fault)
E04	Indoor unit (except twin slave) receives no communications from outdoor unit; can also include klixon on discharge pipe of outdoor unit
E08	Duplicated indoor unit address
E09	2 local controllers connected on a group – both configured as masters
E10	Indoor unit PCB failure
E18	Communications failure between master indoor unit and slave indoor unit or units
F01	Indoor unit TCJ (Liquid) sensor error (Open or Closed circuit – resistance is measured in k Ω
F02	Indoor unit TC2 (Vapour) sensor error (Open or Closed circuit – resistance is measured in kΩ
F04	Outdoor unit TD (Discharge) sensor error (Open or Closed circuit – resistance is measured in kΩ
F06	Outdoor unit TE (Coil) sensor error (Open or Closed circuit – resistance is measured in kΩ
F08	Outdoor unit TO (Ambient) sensor error (Open or Closed circuit – resistance is measured in kΩ
F10	Indoor unit TA (Return Air) sensor error (Open or Closed circuit – resistance is measured in k Ω
F29	Indoor unit PCB failure
H01	Outdoor unit Inverter compressor over current detected
H02	Master outdoor unit over current detected shortly after start up
H03	Current detected on Master outdoor unit whilst idle
H06	Outdoor unit Low pressure detected by Ps sensor (0.2 bar – 2.9 psig)
L03	Indoor unit Duplicated master indoor units in a group
L07	Indoor unit in a group of units previously addressed as a single unit – check addressing
L08	Indoor units addresses not set – check addressing
L09	Indoor units capacity not set (check DN Code 11)
L29	Outdoor unit IPDU error (Number of detected IPDU units is reduced)
L30	Input on indoor PCB CN80 circuit for 1 minute
L31	Outdoor unit PCB error
P01	Indoor unit fan motor error
P03	Outdoor unit High discharge temperature (TD1 exceeded 115 °C)
P04	Outdoor unit High pressure switch activated (Detected by high temperature on TE sensor on digital/super digital inverter units)
P07	Outdoor unit PCB heat sink overheated (Temperature over 90 °C recorded)
P10	Indoor unit Float switch activated
P12	Indoor unit fan motor error – detected by feedback circuit
P19	Wrong change in temperature recorded (4 way valve error)
P22	Outdoor unit fan motor IPDU error
P26	Outdoor unit Giant transistor short circuit
P29	Outdoor unit Compressor error detected by feedback circuit
P30	Indoor unit Group control follower unit error / duplicated central control addresses
P31	Indoor unit PCB error
C05	Central control Sending error in TCC-Link central control device
C06	Central control Receive error in TCC-Link central control device
C12	Batch alarm for general purpose equipment interface

Fig 3

More detailed listings are available in the technical handbook or relevant service literature



Data Retrieval Guide

There are two levels for system data, the first level is the monitor mode, which shows basic temperatures indoor and outdoor, filter time and system running hours.

To access this data press the [MONITOR] button

	Monitor	
(1)	Set temp.	27°C
(2)	Indoor temp.	27°C
(3)	Outdoor temp.	35°C
(4)	Filter remaining hour	2500
(5)	Total running hour	60000
	S Return	

- 1) Display's the set temperature.
- 2) Display's the temperature measured by the TA return air sensor within the indoor unit. If the system is programmed to use the room sensor in the remote controller this will be displayed replacing the TA data.
- 3) Display's the temperature measured by the TO ambient air sensor within the outdoor unit.
- 4) Display's the remaining time until the filter sign is displayed.
- 5) Display's the accumulated operating time of the system.

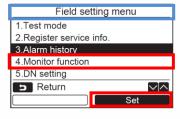
1.Wind direction

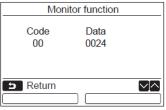
To access the second level of data display.

- Press the [MENU] button to display the "Menu screen"
- 6) Press and hold the " [■ MENU] " button and the "[∨ ∨] "button at the same time for more than 4 seconds to display the "Field setting menu"
- 7) Scroll down to item "4" using the " $[\lor \lor]$ " button.
- 8) Press "F2 Set

2.Individual louver	
3.Louver setting	
4.Off reminder timer	
5.Schedule timer	
Return	$\overline{\ }$
	Set

Menu(1/3)





 Press the " [∧ ∧] / [∨ ∨] " to scroll through the codes, for details of codes refer to the following charts.

Data is available for "0, 1, 2, 3, 4, 5 & 7 Series" Digital/Super Digital Inverter and VRF equipment (Mini -SMMS, Mini SMMSe, SMMS, SMMSi, SMMSe, SHRM, SHRMi & SHRMe).



Digital/Super digital "0-1-2-3" series data

Code	Indoor Data	Code	Outdoor Data
00	Room Temp (Control Temp) (°C)	60	TE Sub-cooled Liquid Temp. (°C)
01	Room Temp. (Remote Controller) (°C)	61	TO Ambient Temp. (°C)
02	TA Return Air Temp. (°C)	62	TD Discharge Temp. (°C)
03	TC Coil – Vapour Temp. (°C)	63	TS Suction Temp. (°C)
04	TCJ Coil – Liquid Temp. (°C)	65	THS – Inverter Heat Sink Temp. (°C)
	Fig	g 4	

Digital/Super digital "4,5 & 7" series

Code	Indoor Data	Code	Outdoor Data
00	Room Temp (Control Temp) (°C)	60	TE Sub-cooled Liquid Temp. (°C)
01	Room Temp. (Remote Controller) (°C)	61	TO Ambient Temp. (°C)
02	TA Return Air Temp. (°C)	62	TD Discharge Temp. (°C)
03	TC Coil – Vapour Temp. (°C)	63	TS Suction Temp. (°C)
04	TCJ Coil – Liquid Temp. (°C)	65	THS – Inverter Heat Sink Temp. (°C)
07	Fan Speed (rpm)	6A	Operation Current (A)
F2	Fan Run Time (x 100h)	70	Compressor Frequency (Hz)
F3	Filter Duration Timer (x 1h)	72	Fan Speed (Lower) – (rpm)
F8	Discharge Temp. (Indoor – If fitted) (°C)	73	Fan Speed (Upper) – (rpm)
		F1	Compressor Run Time (x 100h)

Fig 5

VRF indoor data for Mini SMMS / SMMS / SMMSI & SHRM equipment

Code	Indoor Data	Code	Indoor Data
00	Room Temp (Control Temp) (°C)	06	Indoor Discharge Temp (If Used) - (°C)
01	Room Temp. (Remote Controller) (°C)	08	PMV Position (0 – 10)
02	TA Return Air Temp. (°C)	0A	Number of Connected Indoor Units
			(No.)
03	TCJ Coil – Liquid Temp. (°C)	0b	Indoor Capacity (x 10 = HP)
04	TC2 Coil – PMV Pipe Temp. (°C)	0C	Number of Outdoor Units (No.)
05	TC1 Coil – Vapour Temp (°C)	0d	Outdoor Capacity (x 10 = HP)
	Fi	g 6	

VRF Outdoor data for Mini SMMS / SMMS & SHRM equipment

Code	Outdoor Data	Code	Outdoor Data	
*0	Td1 - Compressor 1 Discharge Temp.	*8	TU – Low Pressure Saturated Temp. (°C)	
	(°C)			
*1	Td2 - Compressor 2 Discharge Temp.	*9	Compressor 1 Current (A)	
	(°C)			
*2	Pd – High Pressure Sensor (MPa)	*A	Compressor 2 Current (A)	
*3	Ps - Low Pressure Sensor (MPa)	*b	PMV1 + 2 Opening (0 – 100)	
*4	TS – Suction Temp. (°C)	*d	Compressor 1, 2 ON/OFF	
*5	TE - Outdoor Heat Exchanger Temp. (°C)	*Е	Outdoor Fan Mode (0 – 31)	
*6	TL – Liquid Temp. (°C)	*F	Outdoor Unit Size (HP)	
Note. *	Note. * Would be replaced with 1, 2, 3 or 4 to obtain data from respective outdoor unit.			

Fig 7



VRF Outdoor data for SMMSI & SHRMi equipment

Code	Outdoor Data	Code	Outdoor Data
*0	Pd – High Pressure Sensor (MPa)	#0	Compressor 1 Revolutions (rps)
*1	Ps – Low Pressure Sensor (MPa)	#1	Compressor 2 Revolutions (rps)
*2	Td1 – Compressor 1 Discharge Temp. (°C)	#2	Compressor 3 Revolutions (rps)
*3	Td2 – Compressor 2 Discharge Temp. (°C)	#3	Outdoor Fan Mode
*4	Td3 – Compressor 3 Discharge Temp. (°C)	#4	Compressor IPDU 1 Heat Sink Temp. (°C)
*5	TS – Suction Temp. (°C)	#5	Compressor IPDU 2 Heat Sink Temp. (°C)
*6	TE1 – Outdoor Coil Temp. (°C)	#6	Compressor IPDU 3 Heat Sink Temp. (°C)
*7	TE2 – Outdoor Coil Temp. (°C)	#7	Outdoor Fan IPDU Heat Sink Temp. (°C)
*8	TL – Liquid Temp. (°C)	#8	Heating / Cooling Recovery Controlled
*9	TO – Outdoor Ambient Temp. (°C)	#9	Pressure release
*A	PMV 1 + 2 Opening	#A	Discharge Temp. Release
*В	PMV 4 Opening	#B	Follower Unit Release
*C	Compressor 1 Current (A)	#F	Outdoor Unit Size (HP)
*D	Compressor 2 Current (A)	Note.	* Would be replaced with 1, 2, 3 or 4 to
*E	Compressor 3 Current (A)	obtain	data from respective outdoor unit.
*F	Outdoor Fan Current (A)	# would be replaced with either 5, 6, 7, 8 to obtain data from outdoor units 1,2,3 or 4	

For more detailed descriptions please refer to the relevant technical service manual.

NOTES:









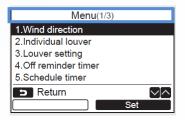


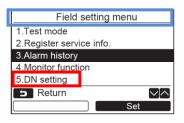
Common Configurable Control Options

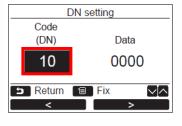
*Accessed via Toshiba hard wired remote controller RBC-AMS51E-ES/RBC-AMS54E

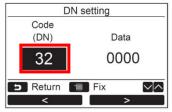
Relocation of room temperature sensing from return air to remote controller sensor

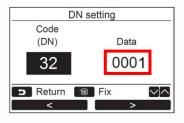
- Press the "[MENU]" button to display the "Menu screen"
- Press and hold the "[■ MENU]" button and the "[∨ ∨]" button at the same time for more than 4 seconds to display the "Field setting menu"
- 3) Scroll down to item "5" using the " $[\lor \lor]$ " button.
- 4) Press "F2" <u>Set</u> Code (DN) 10 will be highlighted on the left of the display.
- 5) Scroll the Code (DN) to 32 using the "[$\land \land$]/[$\lor \lor$] "buttons.
- 6) When Code (DN) 32 is highlighted on the left press " [F2]" to highlight "Data" on the right.
- 7) Change "Data" from "0000" to "0001" by pressing the "[∧]/[∨ ∨] "
- 8) Press "
- Press " **Fillow** on screen instructions.

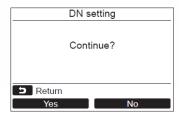






















Automatic restart after power failure

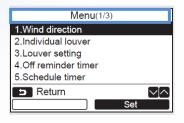
- Press the "[MENU] " button to display the "Menu screen"
- Press and hold the "[MENU] " button and the "[V] "button at the same time for more than 4 seconds to display the "Field setting menu"
- 11) Scroll down to item "5" using the $[\lor \lor]$ button.
- 12) Press "F2" Set Code (DN) 10 will be highlighted on the left of the display.
- 13) Scroll the Code (DN) to 28 using the "[$\land \land$]/[$\lor \lor$]"buttons.
- 14) When Code (DN) 32 is highlighted on the left press " [F2]" to highlight "Data" on the right.
- 15) Change "Data" from "0000" to "0001" by pressing the "[∧ ∧]/[∨ ∨] "

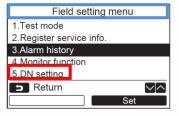
16) Press "

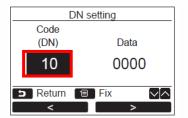
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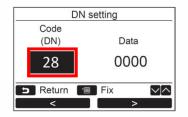
Raising the Standards in Air Conditioning Distribution

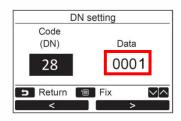
"follow on screen instructions.

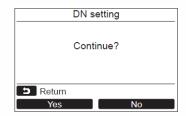














Cool Designs Ltd makes every effort to ensure that the information provided within this publication is correct and error free, however we cannot guarantee that it is free of inaccuracies, errors or omissions. Users should seek to clarify this information for themselves prior to basing any decisions upon such information.

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Energy Saving Function.

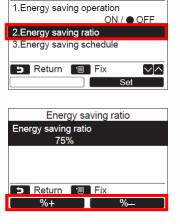
- 1) Press the "[MENU] " button to display the "Menu screen"
- 2) Press the " $[\land \land]/[\lor \lor]$ " button to Select option "9 Energy Saving"
- 3) Press the " Set [F2]" button.

1		
1.Energy saving operation		
:ON>		
OFF>		
$\sim \land$		
et		

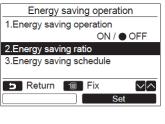
	Item	Function		
1.	Energy Saving Operation	Perform the power saving operation of the air conditioner		
2.	Set temp. Range limit	Set the temperature range limit of the remote controller operation		
3.	Return Back	Set the function that changes the temperature back to the specified temperature automatically if the temperature has been changed at the remote controller		

Energy Saving Ratio.

- 1) Press the " $[\land \land]/[\lor \lor]$ " button to Select option "2 Energy Saving Ratio"
- 2) Press the " %+ %+ [F1] or F2] to set the value. %— The energy saving ratio can be set within the range from 50% to 100% by 1% increments. The lower the value is set, the higher the power saving effect.
- 3) Press the " [MENU] " button. " \overline{X} Setting" appears, and then the screen returns To the "Energy saving operations" screen.
- 4) Press the " $[\land \land]/[\lor \lor]$ " button to Select the item to set
- 5) Press the " Set [F2]" button.



Energy saving operation



Energy saving ratio		
Energy saving ratio		
75%		
S Return E Fix	-	
<u>%+</u> %_		











Energy Saving Temperature Setting.

- Press the " [^ ^]/[V V] " buttons to Select "2.Set temp range limit" on the "Energy Saving" Screen, and then press the Set [F2]" button.
- 2) Press the " [^ ^]/[∨ ∨] " button to set the temperature. Press the " ____ [F1] or ___ [F2] "button to set the value.
- 3) Press the " [■ MENU] "button. The screen returns to the "Energy Saving Screen"
 " ∑ Setting" appears, and then the screen returns to the "Energy saving operations" screen.

Energy	saving	
1.Energy saving op	<u> </u>	
	<0N>	
2.Set temp. range limit		
3.Return back		
	<off></off>	
Return		
	Set	

	Set temp	o rar	nge limit	
	Minimum	ا~ ı	Maximum	
Cool	18.0°C	~	29.0°C	
Heat	18.0°C	~	29.0°C	
Dry	18.0°C	\sim	29.0°C	
Auto	18.0°C	\sim	29.0°C	
5 R	eturn 🔳	a F	ix	
	←		\rightarrow	

In addition to the functions and facilities listed above the RBC-AMS51/54E-EN(ES) also has the capacity to control a number of functions when coupled with appropriate ventilation units. <u>NOTE: Not suitable for connection with Toshiba VN-M***HE units.</u>

Ventilation.

- 1) Press the " [∧ ∧]/[∨ ∨] " button, scroll menu and select "11 Ventilation".
- 2) Then press the " Set "[F2]" button.
- Press the " [∧ ∧]/[∨ ∨] " button to select the item to set
- 4) Press the " Set [F2]" button.



Item		Function		
1.	ON/OFF	Run and Stop operation of the ventilation unit		
2.	Fan Speed	Setting of the fan speed		
3.	Mode	Setting of the ventilation units mode of operation		
4.	24H Ventilation OFF	Setting of the 24 hour ventilation operation stop time		

Note.

- "Impossible" appears on the display when no ventilation unit is connected or the individual operation for the ventilation unit is not actived.
- "2 Fan Speed" or "3 Mode", "4 24H Ventilation off" is available only for the air conditioning system using the Toshiba Air to Air Heat Exchanger VN-M*HE series.
- " Appears on the detailed display during the ventilation operation when the ventilation unit other than the Toshiba Air to Air Heat Exchanger VN-M*HE series is used and the individual operation for the ventilation unit is activated.









Additional facilities available on the RBC-AMS54E-EN(ES)

Dual Set Point.

In dual set point settings, it is possible to set the temperature set point of individual modes. Subject to connected equipment, please refer to fig 2, earlier in this publication.

- Press the " [^ ^]/ [V V]" button to switch the display shown on the right.
- 2) To set the cooling temperature set point, press "Cool" and adjust the setting with the" [∧]/[∨ ∨] " a box will surround " [☆ Cool] " and temperature set point. To set the heating temperature set point press "Heat" and adjust the setting with the " [∧ ∧]/[∨ ∨] " a box will surround " [★ Heat] " and temperature set point.
- Room A
 12:00

 Image: Constraint of the second second



- 3) Press " [IIII] MENU] " button to confirm settings and return to normal display.
- 4) Press " [S CANCEL]" button to cancel the settings and return to the normal display.

<u>Note</u>

When connected to a system which does not support dual set point, the temperature set point, a value half of the heating and cooling temperature set point is displayed.

When temperature setting has been changed by the "Unsupported controller", the cooling and heating set point displayed will be set automatically.

Increased fan speeds Available on 6 and 7 series units, fan speeds increase from 3 to 5, when used on earlier models with 3 speed fans, only 3 options are displayed.

<u>Refrigerant Leak Indication</u>, visual indication of refrigerant leak when coupled with one of the Toshiba leak detection systems.

Individual On/Off temperature control. Individual control of VRF indoor units via single or multi outlet Flow Selector boxes, <u>New "SHRMe" series ONLY</u>)





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Toshiba Air Conditioning

24/7 technical support

0870 843 0333 (Option 7)

Text back service

07624 803 017

(Type fault code in lower case no spaces)



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