



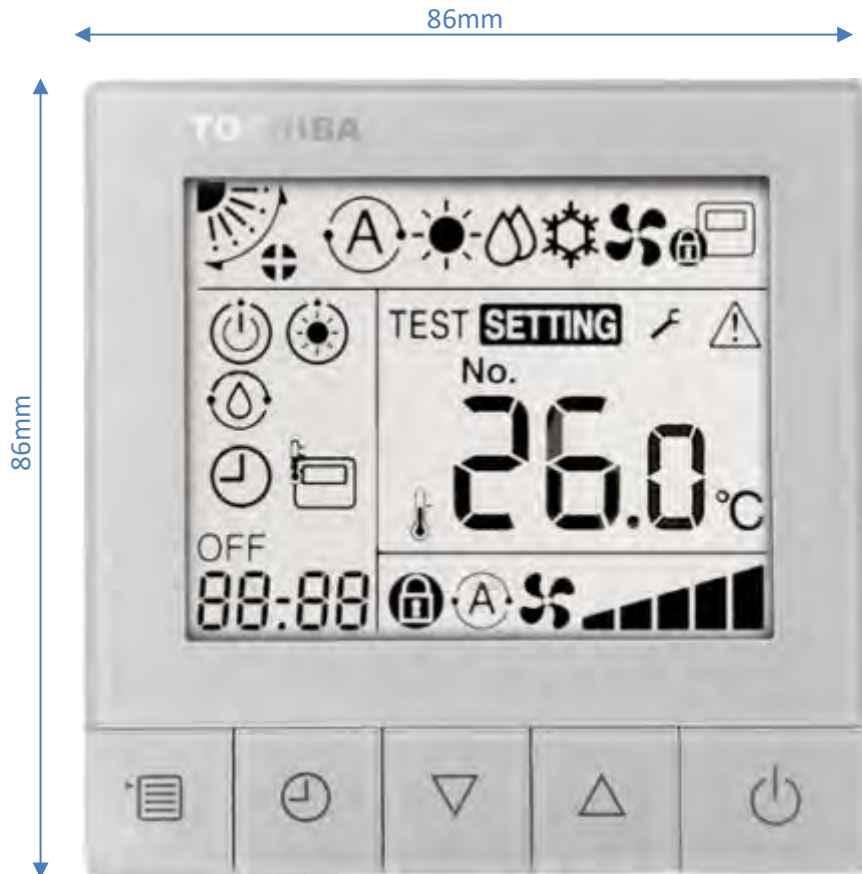
*Pocket Quick
Reference Guide
On the **TOSHIBA***

Compact Simple Wired

Remote Controller

RBC-ASCU11-E

**Toshiba air conditioning's
Latest addition to their wired remote controller portfolio.**



The RBC-ASCU11-E.

**A small, 86 x 86 x 16mm wired remote controller,
With simple control keys, (5).
Large backlite LCD display.
Fault Diagnostics.
Monitor Function.
DN Code access.
ON / Off Timer.
Room Temperature Sensor.**

Buttons.



Menu.



Timer.



Up/ Down.



Power Button, illuminated when system is ON



Blinks when a fault is detected or when a protection device activates.

Display, Top line.



Louver position.



Automatic Mode.



Heat Mode.



Dry Mode.



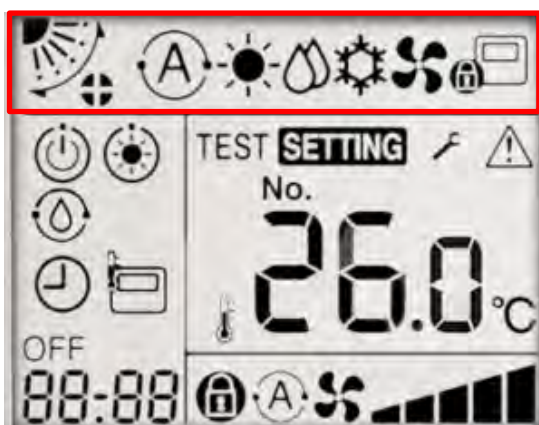
Cool Mode.



Fan Only Mode.



Central Control Indicator.



Display middle Right.

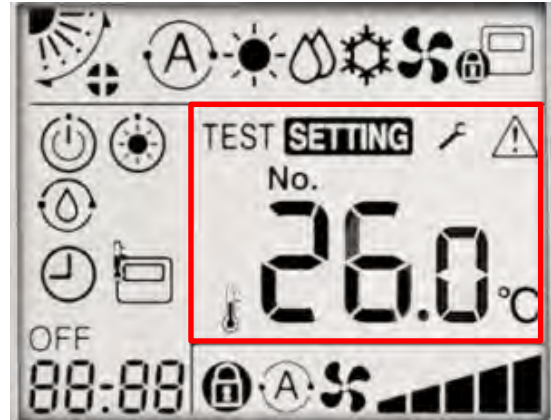
 Protection device activated.

SETTING. System auto checking after power down.

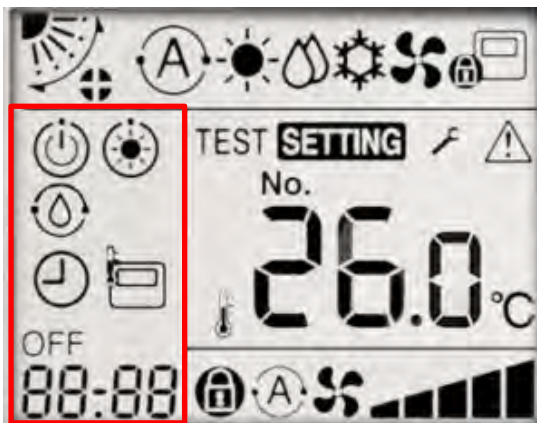
Temperature set point,

(Can be configured either single increments or 0.5 increments, via bit switch on rear.)

TEST -Test mode selected.



Display Middle Left.



 Running standby indicator (VRF)

 Preheat indicator.

 Self-clean operation.

 Timer, (Off timer 0.5hr to 24hr.)

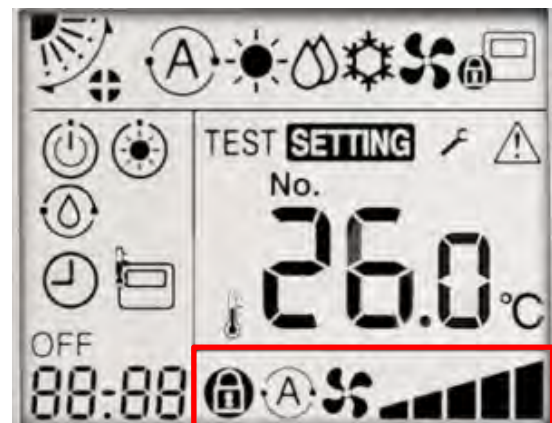
 Remote sensor indication.

Display bottom right.

 Fan - Fixed speed selected.

 Auto fan speed.

 Specific Fan speed.

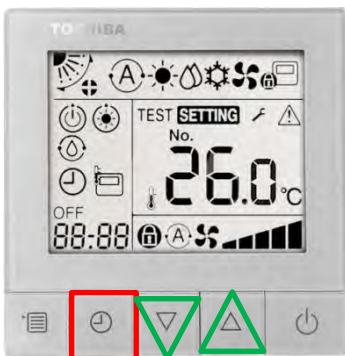
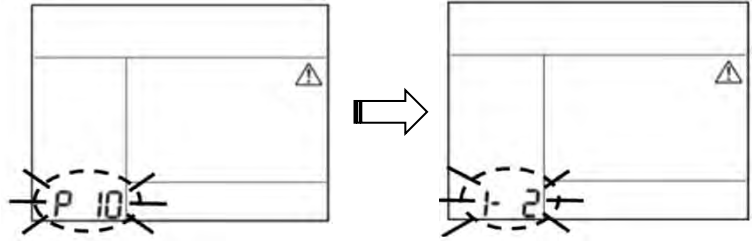


Troubleshooting.

Active fault.

If the system encounters a fault,
The check code will be automatically
Displayed in the “Timer Off” window,
Bottom left display.

The display will automatically scroll
and display the reference of the
affected unit.



For troubleshooting history.

The “history” can store 4 codes.

To access the history, long press
(10 seconds) the “**Timer**” button.

To scroll through the codes,
press “**UP/Down**”.

**Do not press the “Menu” button for more than 10 seconds as this will erase the history.
To erase the memory, press the “Menu” button for more than 10 seconds.**

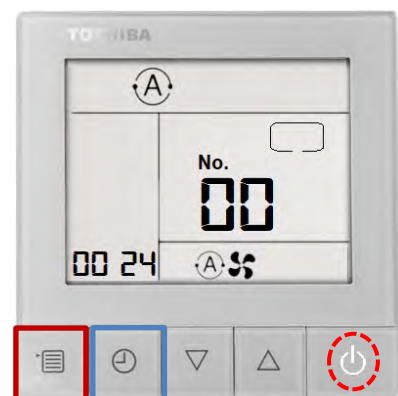
Monitor mode.

To enter “Monitor” mode.

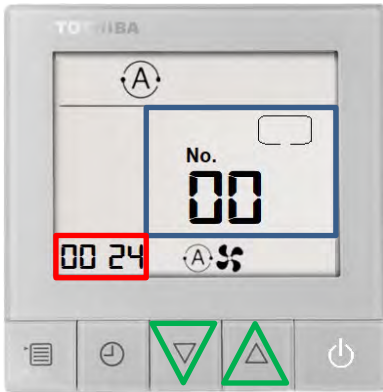
With the system ON, (power light illuminated).

Press and hold the “**Menu**” button for 10 seconds,

Then press the “**Timer**” button.



In Monitor mode, data is displayed from indoor units and outdoor units.



The “Code” is displayed in the right-hand display, “No. ##”.

To scroll through the “Codes” use the “UP/DOWN” buttons

The “Data” from the respective component is displayed in the bottom left-hand display “####” (Read ONLY).

To exit “Monitor” mode, press the “Menu button”.



For Digital/ Super Digital inverter R32 equipment.

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	TCJ Coil Liquid Temp (°C)	63	TS Suction Temp (°C)
04	TC Coil Vapour Temp (°C)	65	THS Inverter Heat Sink Temp (°C)
07	Fan Speed (rpm)	6A	Operation Current (x1 1/0) (A)
F2	Fan Run Time (x 100h)	6D	TL Liquid Temp (°C)
F3	Filter Duration Timer (x 1h)	70	Compressor Frequency (rps)
		72	Fan Speed (Lower) (rpm)
		73	Fan Speed (Upper) (rpm)
		F1	Compressor Run Time (x 100h)

For “e” series (SMMSe & SHRMe) R410A VRF equipment.

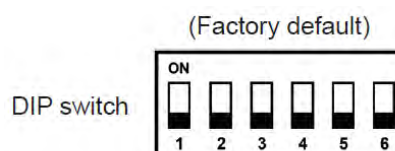
Code	Outdoor Data	Code	Outdoor Data
*0	Pd – High Pressure Sensor (x100) (MPa)	#0	PMV 1 Opening
*1	Ps – Low Pressure Sensor (x100) (MPa)	#1	PMV 3 Opening
*2	Td1 – Compressor 1 Discharge Temp (°C)	#2	PMV 4 Opening
*3	Td2 – Compressor 2 Discharge Temp (°C)	#3	1 Fan model: Comp. 1 Current (x10) (A) 2 Fan model; Comp. 1 and Fan current (x10) (A)
*5	TE1 – Outdoor Coil Temp (°C)		
*6	TE2 – Outdoor Coil Temp (°C)	#4	1 Fan model: Comp. 1 Current (x10) (A) 2 Fan model; Comp. 1 and Fan current (x10) (A)
*9	TO – Outdoor Ambient Temp (°C)		
*A	TS1 – Suction Temp (°C)	#6	Compressor 1 revolutions
*B	TS2 – Suction Temp (°C)	#7	Compressor 2 revolutions
*D	TL – Liquid Temp (°C)	#9	Outdoor fan mode
		#A	Compressor IPDU 1 Heat Sink Temp (°C)
90	Heating/cooling recovery controlled	#B	Compressor IPDU 2 Heat Sink Temp (°C)
91	Pressure release	#D	Outdoor Fan IPDU 1 Heat Sink Temp (°C)
92	Discharge temperature release	#E	Outdoor Fan IPDU 1 Heat Sink Temp (°C)
93	Follower unit release	#F	Outdoor unit horsepower (HP)
<p align="center">Note * Would be replaced with 1 = U1, 2 = U2 or 3 = U3 to obtain data from respective outdoor unit. # Would be replaced with 5 = U1, 6 = U2 or 7 = U3 to obtain data from respective outdoor unit.</p>			

For “u” series (SMMSu) R410A VRF equipment.

Code	Outdoor Data	Code	Outdoor Data
*0	Pd – High Pressure Sensor (x100) (MPa)	#0	TK1 – Compressor oil temp. (°C)
*1	Ps – Low Pressure Sensor (x100) (MPa)	#1	TK2 – Compressor oil temp. (°C)
*2	Td1 – Compressor 1 Discharge Temp (°C)	#2	PMV1 – Opening (pls)
*3	Td2 – Compressor 2 Discharge Temp (°C)	#3	PMV2 - Opening
*4	TS1 – Suction Temperature (°C)	#4	PMV3 - Opening
*5	TS3 – Suction Temperature (°C)	#5	PMV4 - Opening
*6	TE1 – Outdoor Coil Temp (°C)	#6	Compressor 1 current (x10) (amps)
*7	TE2 – Outdoor Sub heat exchanger temp.	#7	Compressor 2 current (x10) (amps)
*8	TE3- Outdoor Sub heat exchanger temp.	#8	Compressor 1 revolutions (x10) (rps)
*9	TO – Outdoor Ambient Temp. (°C)	#9	Compressor 2 revolutions (x10) (rps)
*A	TL1 – Liquid Temp. (°C)	#A	Outdoor fan mode
*B	TS2 – Suction Temp. (°C)	#B	TH1 - Inverter of compressor 1 heat sink temp.
*C	TS3 – Suction Temp. (°C)	#C	TH2 - Inverter of compressor 2 heat sink temp.
*D	TG1 – Outdoor coil Temp (°C)	#D	TH fan1 -Inverter of outdoor fan 1 heat sink
*E	TG2 – Outdoor coil Temp (°C)	#E	TH fan2 -Inverter of outdoor fan 1 heat sink
*F	TG3 – Outdoor coil Temp (°C)	#F	Outdoor unit horsepower (HP)
<p align="center">Note * Would be replaced with 1=U1, 2=U2, 3=U3, 4=U4 & 5=U5 to obtain data from respective outdoor unit. # Would be replaced with 6=U1, 7=U2, 8=U3, 9=U4 & A=U5.</p>			

Dip Switches.

In the rear of the controller there is a bank of 6 “Dip” switches.



These allow for certain functions to be enabled or disabled.

- 1) Header/Follower, this allows for more than one remote controller to be connected to a system. (Default setting OFF – Header)
- 2) LCD Back Light, this turns ON/OFF the back-light display. (Default setting OFF, Light ON).
- 3) Temp. Set, this allows for the temperature to be displayed /selected as a whole or a decimal i.e. 21°C Dip switch ON, 21.5°C Dip switch OFF. (Default setting OFF 0.5°C).
- 4) Remote Sensor, this will set the “Return Air – TA” at the remote controller, (Default is OFF – Return Air – TA at the indoor unit.)
- 5) Press and Hold 4 Sec. This will change the operation mode of the ON/OFF switch, the button will need to be pressed and held for 4 seconds or more to turn ON/OFF the system. (Default OFF – No delay.)
- 6) Reduces the brightness of the operation indicator lamp of the remote controller, set the lamp to be dim when the switch is turned on and bright when the switch is turned off. (Default OFF – Bright)

For “DN Code” access.

The RBC-ASCU11-E remote can also be used by service/installation engineers to access the configuration menu, “DN Codes”

With power applied but the system OFF,
i.e. the power light is NOT illuminated.
Press and hold for 10 seconds the “**Menu**”
button and the “**Down button**”
Once the display changes then press the
“**Timer**” button.

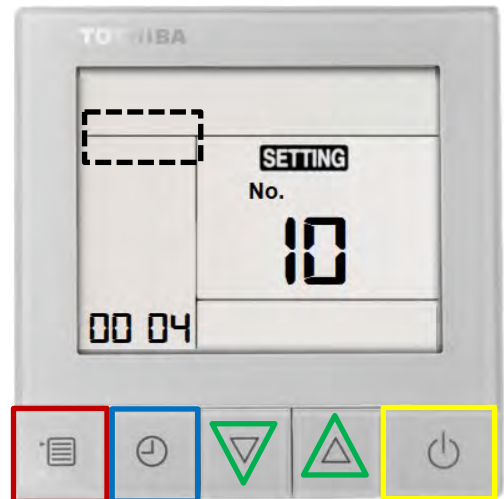
The system automatically starts at “DN Code” 10.
Scroll through the “DN Codes” using the
“**Up/Down**” buttons.

To move to “Data” (Bottom left display)
press the “**Menu**” button.

To change the “Data” use the “**Up/Down**” buttons.

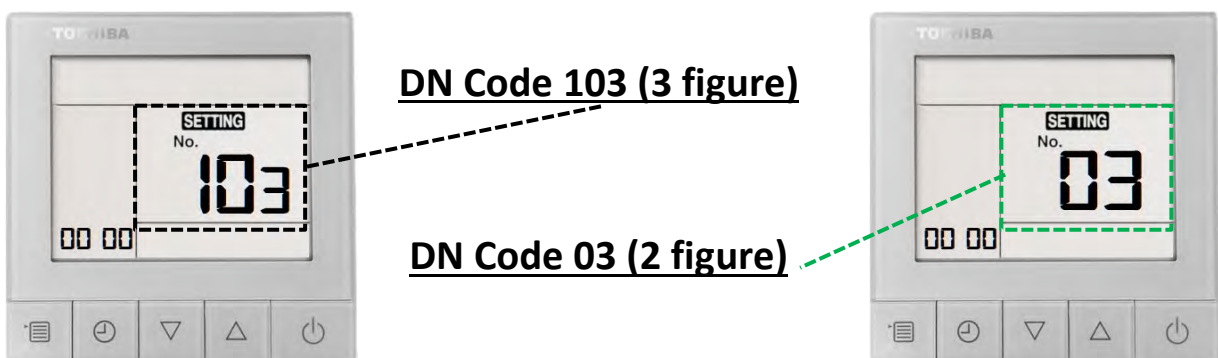
To “Fix” a change to the “Data” press the
“**Timer**” button.

To end press the “**Power Button**”



NOTE.

The new “UP” range of VRF indoor units and the new “U” series outdoor units (SMMSu) utilize a range of new “DN” codes, some of which are now three-digit codes, when accessing a three-digit code the last digit is slightly smaller than digits one and two.



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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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