



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

*Colour Smart Touch*

*Remote Controller*

**RBC-MTSC1**

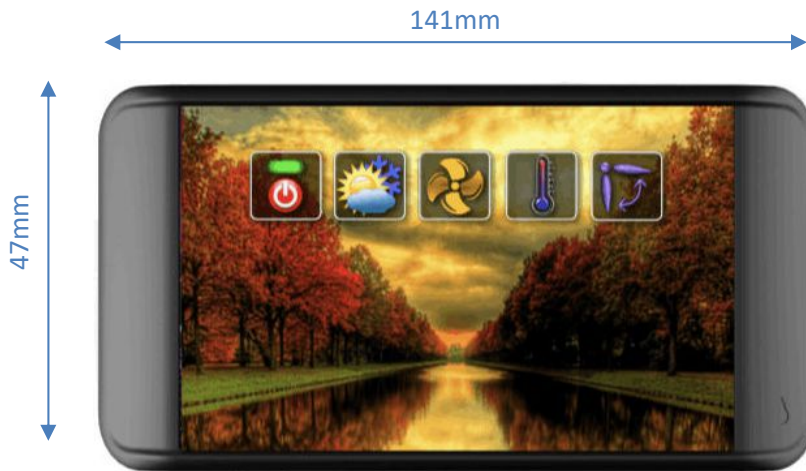


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**Toshiba air conditioning's  
Latest addition to their wired remote controller portfolio.**



**The RBC-MTSC1.**

- A small, 47 x 141 x 15mm wired colour smart touch remote controller,**
- Large capacitive touch screen.**
- Up to 30 different wallpapers.**
- Text input for instructions.**
- Fault Diagnostics.**
- DN Code access.**
- Room Temperature Sensor.**



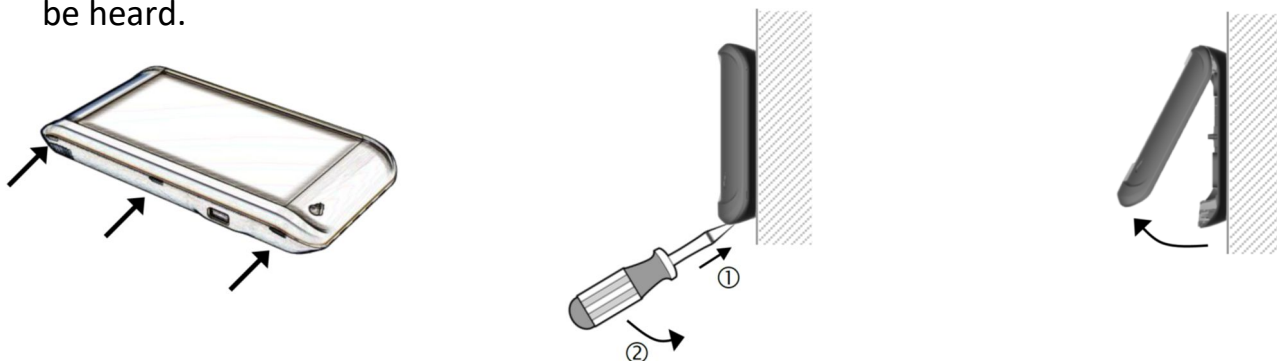
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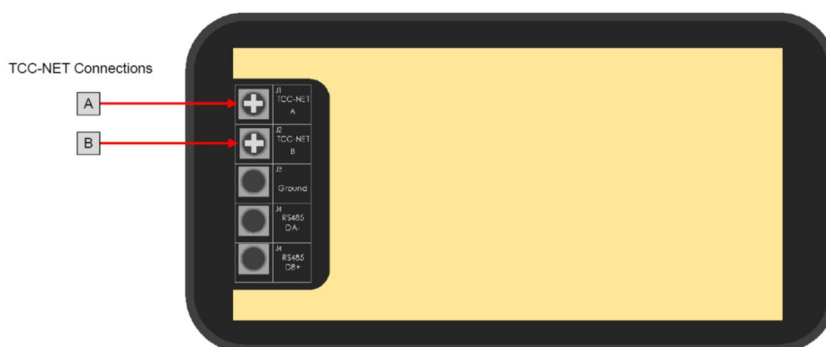
## Opening the device.

To separate the front cover from the rear, there are three small straight slots located on the bottom of the device, using a flat bladed screwdriver, insert screwdriver blade into each slot and gently twist the screwdriver 30° left or right.

To replace the front cover, hook the front cover to the base cover via lugs on the top, gently push the front cover downwards and push the bottom edge to the “wall”, a gently click will be heard.



## Connections (Rear)



Power supply is 12V DC, which is obtained via the A&B connections located in the indoor unit.

## USB, Front bottom center, micro USB

The Micro USB connection is used for configuration via a PC and for firmware updates.

Configuration of wallpapers, logos etc is handled by the Pyrus configuration software, which can be downloaded from: <https://www.toshiba-aircon.co.uk/product/rbc-mtsc1/>



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## Start-Up Display.



Initial display screen when power is applied.

Automatic addressing can take up to 5 minutes

Display after initialisation, system OFF.



Pressing the power button instigates the default display.



Power

Mode

Set Point

Fan Power

Louver

	Low fan speed		Cooling mode		Auto mode
	Medium fan speed		Heating mode		Temperature setting
	High fan speed		Fan only mode		Louvre operation
	Auto fan speed		Dry mode		On/Off
		Minimum and maximum temperature setting			Disable activity



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## Configuration.

The RBC-MTSC1 controller allows access to the configuration menu, where additional functions can be activated or restricted.

To access the configuration menu.

Press and hold the bottom right corner of the screen, (do not remove your finger) then with a second finger, press and hold the bottom left hand corner of the screen.

Keep pressing the bottom left corner of the screen, release your right hand finger from the bottom right of the screen, keeping the bottom left of the screen pressed.

Then tap the bottom right hand corner of the screen four times.



If carried out correctly the display screen will change and the following will be displayed.



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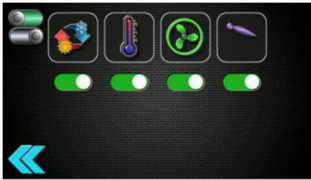
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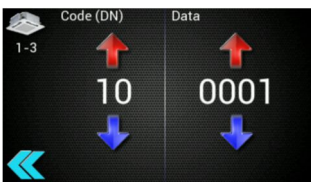
# Configuration menu Icons.



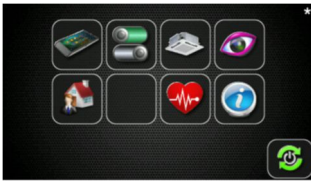
**1. General Remote Controller setup.**  
 Enable or disable Header Unit (Master, Slave remote)  
 Show setpoint 0 or 1 decimal place



**2. User interface setup.**  
 Enable or disable functions.  
 Operating mode, temperature change, fan speed, louvre.

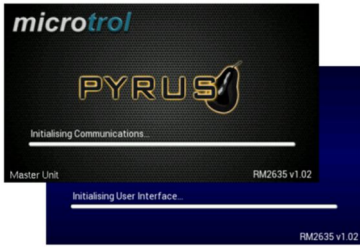


**3. DN Code Setting.**  
 To change DN code or Data, use the respective UP/DOWN buttons.  
 To enable changes, press the "GREEN" button (9), to EXIT press the "Back Button (10)

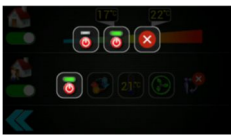
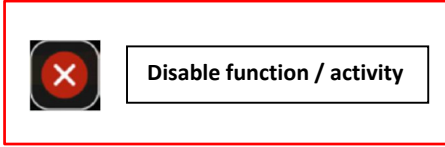


**9. Reboot Button.**  
 Is displayed when configuration settings have been changed.

Display will clear and the "Pyrus" screen will be displayed, this will clear, and the display will revert to normal.



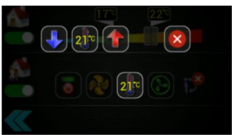
**5. Occupancy Strategy.**  
 Setting options available to end user.  
 Enable / Disable – Power ON/OFF  
 Set Min. / Max. temperatures user can select.  
 Enable / Disable temperature adjustment, fan speed & louvre.



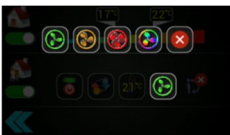
Power



Fan Speed



Temperature Set Point



Fan Speed



Louvre

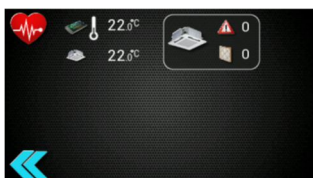


## Error / Diagnostics.



If a system error is detected this will be displayed on the bottom section of the display screen, further details can be obtained by entering “Configuration Menu – Diagnostics”

## Diagnostics.



### **7. Diagnostics.**

Displays error message, tap the picture of the air conditioner, for more information.



### **7. Diagnostics.**

The display automatically changes to display more details of the error.

For details of error codes, please refer to the Toshiba fault code “app”.

Available for android or IOS via the relevant “Store”, or via Cool Designs Technical Handbook’s or our web site, <https://www.cdlweb.info/resources/toshiba-fault-codes/>

Alternatively call Cool Designs technical support on;

**0750 775510 / 07706 293028,**

available Monday to Friday 0730 to 1930.

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## Some useful DN codes.

For a full list of “DN Codes” please refer to the service manual for the installed equipment or to one of the” CDL Pocket Handbooks” R32 or R410A.

ITEM	DESCRIPTION	VALUE	DEFAULT																																														
03	Network address	When under network control.	0099: Unset 0001 to 0064 available	0099																																													
06	Stratification control	Increases effective return air temperature setting in heating mode (0 to 10K)	0000 to 0010	0002; +2°C Floor type 0000; 0°C																																													
0d	Auto mode	Enable or disable Auto mode	0000 = available 0001 = unavailable	0000 except SMMSe																																													
0E	SHRMi only	Used when multiple indoor units are served via a single FS box	0000 = normal 0001= multiple units	0000																																													
0F	Heat Mode	Enable or disable Heat Mode	0000 = available 0001 = unavailable	0000																																													
10	Indoor unit model	Must be set when replacing indoor printed circuit board	0000: 1-way cassette (s models) 0001: 4-way cassette 0002: 2-way cassette 0003: 1-way cassette (y models) 0004: duct (standard) 0005: slim duct 0006: duct (high static) 0007: ceiling 0008: hi wall 0010: console 0011: concealed floor 0014: 4-way compact cassette (600 x 600) 0013: tall cabinet 0016: fresh air intake 0050: air to air heat exchanger																																														
11	Indoor unit capacity	0000 will generate a (L09) fault	<table border="1"> <thead> <tr> <th></th> <th>MM</th> <th>RAV</th> <th>MM</th> <th>RAV</th> </tr> </thead> <tbody> <tr> <td>0004</td> <td>=005*</td> <td>-</td> <td>0012</td> <td>=027* 80*</td> </tr> <tr> <td>0001</td> <td>=007*</td> <td>-</td> <td>0013</td> <td>=030* -</td> </tr> <tr> <td>0003</td> <td>=009*</td> <td>30*</td> <td>0015</td> <td>=036* 110*</td> </tr> <tr> <td>0005</td> <td>=012*</td> <td>-</td> <td>0017</td> <td>=048* 140*</td> </tr> <tr> <td>0006</td> <td>-</td> <td>40*</td> <td>0018</td> <td>=056* 160*</td> </tr> <tr> <td>0007</td> <td>=015*</td> <td>-</td> <td>0021</td> <td>=072* 224*</td> </tr> <tr> <td>0009</td> <td>=018*</td> <td>56*</td> <td>0023</td> <td>=096* 280*</td> </tr> <tr> <td>0011</td> <td>=024*</td> <td>-</td> <td>-</td> <td>-</td> </tr> </tbody> </table> <p>Air to air heat exchanger Type</p> <p>0001 = 150m<sup>3</sup>/h 0002 = 250m<sup>3</sup>/h 0003 = 350m<sup>3</sup>/h 0004 = 500m<sup>3</sup>/h 0005 = 650m<sup>3</sup>/h 0006 = 800m<sup>3</sup>/h 0007 = 1000m<sup>3</sup>/h</p>		MM	RAV	MM	RAV	0004	=005*	-	0012	=027* 80*	0001	=007*	-	0013	=030* -	0003	=009*	30*	0015	=036* 110*	0005	=012*	-	0017	=048* 140*	0006	-	40*	0018	=056* 160*	0007	=015*	-	0021	=072* 224*	0009	=018*	56*	0023	=096* 280*	0011	=024*	-	-	-	
	MM	RAV	MM	RAV																																													
0004	=005*	-	0012	=027* 80*																																													
0001	=007*	-	0013	=030* -																																													
0003	=009*	30*	0015	=036* 110*																																													
0005	=012*	-	0017	=048* 140*																																													
0006	-	40*	0018	=056* 160*																																													
0007	=015*	-	0021	=072* 224*																																													
0009	=018*	56*	0023	=096* 280*																																													
0011	=024*	-	-	-																																													
12	System number	DI/SDI indoor and outdoor units are automatically addressed, this value may be set manually but it must be done via the wired controller – on an individual basis. Settings are 0001 to 0030	0001: outdoor unit 1 0002: outdoor unit 2	0099																																													
13	Indoor unit number	Indoor units connected to a common outdoor unit (e.g. twinned indoor units) will have the same system number - settings are 0001 to 0064. Automatically allocated – but may be manually overridden.	0001: indoor unit 1 0002: indoor unit 2	0099																																													
14	Group master/slave	Allows selection of master indoor unit within group. Automatically allocated but may be manually overridden.	0000: single indoor unit 0001: group master 0002: group slave	0099																																													
16	Indoor Fan	Indoor fan speed selection. Binary addition.	0015 = all speeds available 1 = auto; 2 = low; 4 = medium; 8 = high	0015 except high static 0008																																													
1E	Dead band - auto	Changeover sensitivity in automatic mode. (1 to 10 k adjustable)	0000: 0 K 0010: 10 K	0003																																													
1F	Max. Setting	Cooling mode maximum temperature setting (18 – 29°C)	0018 = 18°C 0020 = 20°C 0029 = 29°C	29 ° C																																													
20	Min. Setting	Cooling mode minimum temperature setting (18 – 29°C)	0018 = 18°C 0020 = 20°C 0029 = 29°C	18 ° C																																													
21	Max. Setting	Heating mode maximum temperature setting (18 – 29°C)	0018 = 18°C 0020 = 20°C 0029 = 29°C	29 ° C																																													
22	Min. Setting	Heating mode minimum temperature setting (18 – 29°C)	0018 = 18°C 0020 = 20°C 0029 = 29°C	18 ° C																																													
23	Max. Setting	Dry mode maximum temperature setting (18 – 29°C)	0018 = 18°C 0020 = 20°C 0029 = 29°C	29 ° C																																													
24	Min. Setting	Dry mode minimum temperature setting (18 – 29°C)	0018 = 18°C 0020 = 20°C 0029 = 29°C	18 ° C																																													
25	Max. Setting	Auto mode maximum temperature setting (18 – 29°C)	0018 = 18°C 0020 = 20°C 0029 = 29°C	29 ° C																																													
26	Min. Setting	Auto mode minimum temperature setting (18 – 29°C)	0018 = 18°C 0020 = 20°C 0029 = 29°C	18 ° C																																													
28	Auto restart	Enable or disable	0000: disabled 0001: enabled	0000																																													
2d	Modes available	Binary addition of modes available.	0015= all modes 1 = fan; 2 = cool; 4 = dry 8 = heat	0015																																													



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# NOTES

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# NOTES



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Contact details:

# Cool Designs Ltd Technical Support

07590 775510 / 07706 293028

Monday – Friday 07.30 to 19.30

Email: [support@cooldesignsltd.co.uk](mailto:support@cooldesignsltd.co.uk)

Web site: [www.cdlweb.info](http://www.cdlweb.info)



**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)**



**[Try our on-line training videos on YouTube.](#)**

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