

TOSHIBA Installation Manual

To installation personnel - Electrical work and service

Wired remote controller

Model: **RBC-AMTU31-E**

For commercial use

Accessory parts

No.	Part Name	Q'ty	No.	Part Name	Q'ty
1	Remote controller	1	3	Wood screw	2
2	Screw M4 x 20	2	4	Installation Manual	1
			5	Owner's Manual	1

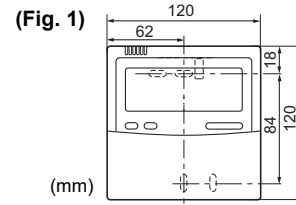
Remote controller installation requirements

■ Installation place

- Install the remote controller 1 - 1.5 m above floor level (average room temperature area).
- Do not install the remote controller in a place exposed to direct sunlight or outside air (such as a window, etc.).
- Do not install the remote controller where ventilation is poor.
- Do not install the remote controller in a freezing or refrigerated area - the remote controller is not water or splash-proof.
- Install the remote controller in a vertical position.

■ Remote controller installation dimension

Be sure to follow the installation dimension as shown in the figure 1 when you install the remote controller on the wall.

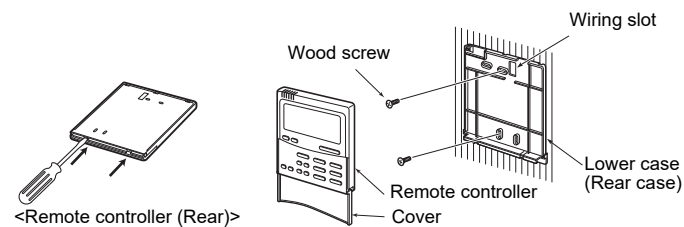


How to install the remote controller

NOTE 1: The remote controller wire should not be bundled with other wires (mains, etc.), or installed with other wires in the same conduit, as malfunction may result.

NOTE 2: Install the remote controller away from sources of electrical interference and electromagnetic fields.

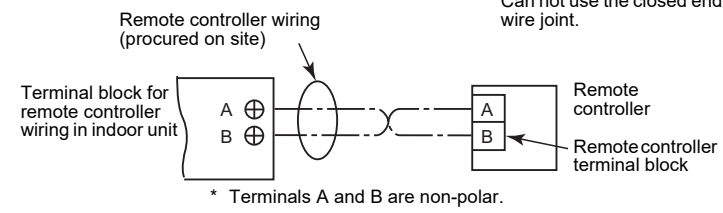
NOTE 3: If electrical interference is unavoidable, countermeasures such as appropriate filtering should be employed.



1. For removal of the remote controller's lower case (rear case), insert the tip of a flat head screw driver, etc., into the two openings at the bottom of the remote controller to open the lower case.
2. Fix the remote controller's rear case by wood screws (2 pcs.). Do not over tighten, as it may damage the rear case.
3. Connect the wires from the indoor unit to the remote controller terminal block. (Refer to "How to wire the remote controller".) **Connect the wires of the remote controller following the terminal numbering convention of the indoor unit to prevent miswiring. (Do not apply 220 V AC mains voltage to the remote controller as it will be damaged).**

How to wire the remote controller

Connection diagram



How to select the room temperature sensor

Two room temperature sensors are installed: one in the indoor unit; the other in the remote controller. Only one sensor (usually the indoor unit's) can be active at any one time.

To select the sensor in the remote controller, perform the following steps.

1. Push \odot + temperature setup button ∇ for 4 seconds or more.
NOTE: The unit number displayed the first time is the indoor unit address of the master unit in the group control.
NOTE: Do not press the **UNIT** button.
2. Using the temperature setup buttons ∇ / \blacktriangle , specify the item code 32.
3. Using the timer buttons ∇ / \blacktriangle , change the setting from 00 00 to 00 01.
4. Push the **SET** button. (The display should stop flashing and become constantly lit.)
5. Push the \odot button.
The status returns to the operation stop status and \square is displayed in the LCD.

NOTE 1: When using two remote controllers, the room temperature sensor selection can be set either from the header/follower remote controller. Only the header remote controller can act as a remote control sensor.

When using two remote controllers, the temperature can be set from either the header or follower remote controller.

NOTE 2: In group control, the remote control sensor does not work if the group address is not set to the indoor unit of the master unit.

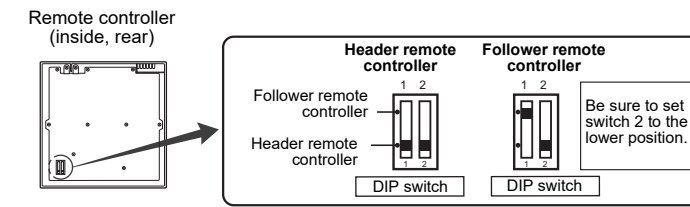
NOTE 3: When using the remote sensor and the remote controller together, do not use the remote control sensor of the remote controller.

Remote controller test run setup

1. Push and hold the \odot button for 4 seconds or more until "TEST" appears in the LCD display, then press the **ON/OFF** button. "TEST" appears in LCD display during the test run. Temperature adjustment is not possible while "TEST" is displayed. The test run applies considerable load on the machine; therefore, it is recommended not to use the test mode beyond necessity.
2. The test mode should be used in either HEAT or COOL mode.
NOTE: The outdoor unit will not operate for approx. 3 minutes after power up, or the operation will stop.
3. Be sure the "TEST" indication in the LCD display has disappeared by pushing the \odot button again after exiting the test mode. (The remote controller has a 60-minute off timer function to prevent continuous test run).

Multiple remote controller installation requirements

In a dual remote controller system, one or more units are operated by multiple remote controllers. (A maximum of two remote controllers can be set.)



■ How to install

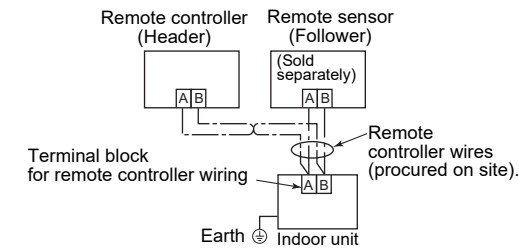
For a dual remote controller system, install the remote controllers in the following way.

1. Set one of remote controllers as the header remote controller. (The default setting is 'Header'.)
2. Set the DIP switch on all other remote controller P.C. boards to Sub (to enable them as follower remote controllers).

■ Basic wiring diagram

NOTE: Terminals A and B are non-polar

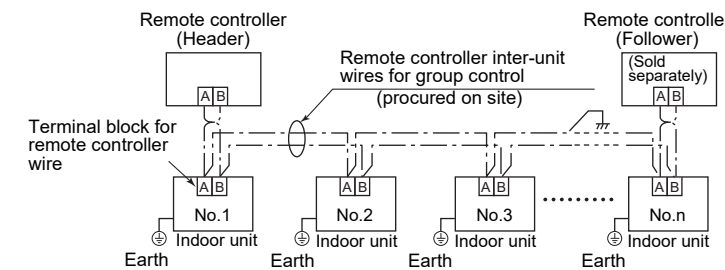
Operating one indoor unit from remote controllers installed in two different locations.



Operating a group control of multiple indoor units from remote controllers installed in two different locations.

* Header and Follower remote controllers are operable even if they are connected to any indoor unit.

* The maximum number of indoor units used with the group control is 8 for the TCC-LINK connection and 16 for the TU2C-LINK connection.

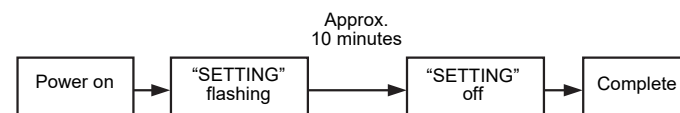


Requirement

When a remote controller is used for the first time, initial operation after power on will take a few moments. This is not a malfunction.

<Initial power on period>

Allow approx. 10 minutes for the remote controller to operate.



<Usual power on period after the second time>

Allow approx. 3 minute for the remote controller to operate.

