



# TOSHIBA

Toshiba RBC-AWSU52-UL Installation Manual

Wired remote controller,



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Model name:

**RBC-AWSU52-UL**

- Refer to this manual when using an RBC-AWSU52-UL remote controller.
- Refer to the Installation Manual, which is provided with the air conditioner, for information not related to operating the remote controller.

<https://www.toshiba-carrier.co.jp/global/manual/rbc-amsu52-e.htm>

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## Installation Manual

# Wired remote controller

For commercial use



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## Related Manuals for Toshiba RBC-AWSU52-UL

### [Controller Toshiba RBC-AWSU52-UL Owner's Manual](#)

Wired remote controller (63 pages)

### [Remote Control Toshiba RBC-AMT32E Pocket Quick Reference Manual](#)

(8 pages)

### [Remote Control Toshiba RBC-AMS41E Owner's Manual](#)

With weekly timer (164 pages)

### [Remote Control Toshiba RBC-AX22CUL Installation Manual](#)

Remote controller for air conditioner (split type) wireless remote controller kit (16 pages)

### [Remote Control Toshiba Carrier RBC-AMS41UL Owner's Manual](#)

Remote controller with weekly timer for air conditioner (split type) (26 pages)

### [Remote Control Toshiba RBC-AMS51E-EN Owner's Manual](#)

Lite-vision plus remote controller (42 pages)

### [Remote Control Toshiba RBC-AMS51E-ES Installation Manual](#)

Lite-vision plus remote controller (30 pages)

### [Remote Control Toshiba WH-H1JE2 Owner's Manual](#)

Remote controller for air conditioner (split type) (15 pages)

### [Remote Control TOSHIBA RBC-AMT31-E Operating Instructions Manual](#)

Remote controllers (8 pages)

### [Remote Control Toshiba RBC-AMT32-E Owner's Manual](#)

Standard hard wired remote controller (17 pages)

### [Remote Control Toshiba rbc-as21e Installation Manual](#)

Simple remote controller (8 pages)

### [Remote Control Toshiba RBC-AMT21E Installation Manual](#)

(8 pages)

### [Remote Control Toshiba RBC-ASC11E Owner's Manual](#)

Compact wired remote controller (172 pages)

### [Remote Control Toshiba RBC-ASCU11-E Reference Manual](#)

Compact simple wired remote controller (12 pages)

### [Remote Control Toshiba RBC-AMSU51 -ES Installation Manual](#)

Wired remote controller (36 pages)

### [Remote Control Toshiba RBC-AX32CE2 Owner's Manual](#)

Wireless remote controller kit (16 pages)

## Summary of Contents for Toshiba RBC-AWSU52-UL

[Page 1](#) For commercial use Model name: RBC-AWSU52-UL • Refer to this manual when using an RBC-AWSU52-UL remote controller. • Refer to the Installation Manual, which is provided with the air conditioner, for information not related to operating the remote controller. Multilingual installation manuals and owner's manual [Ългарски] Изтегляне...

### [Page 2: Table Of Contents](#)

Installation Manual Contents Safety precautions ..... 3 Description of terminology .

[Page 3](#) Installation Manual Monitor function .....34 Setting louver position .

## [Page 4: Safety Precautions](#)

Installation Manual Safety precautions • This section describes safety measures to prevent harm to users and other people, and damage to property. • Understand the following indications and symbols before reading the rest of this manual, and follow the instructions. Explanation of indications Explanation of symbols This indicates that failure to adhere to the...

## [Page 5: Description Of Terminology](#)

Installation Manual Description of terminology Terminology Description Group connection A method of connecting multiple indoor units, as 1 group, to the same remote controller. To use 2 remote controllers for 1 (1 group of) indoor unit, so that one of the remote Header/Follower controllers is set as the "Header remote controller"...

## [Page 6: About Installation](#)

Installation Manual About installation Installation location and installation dimensions • Install the remote controller at a height of 3'3" to 4'9" (1 to 1.5 m) from the floor in a location that seems to be the average temperature of the room. •...

[Page 7](#) Installation Manual Installation dimensions for multiple remote controllers When installing a remote controller on a wall, follow the installation method in figure 1, figure 2. (Unit: inch (mm)) (Figure 1) Wall 0.80 (20) or more 1.30 (33) or more (from wall) (For adjacent installations) 5.51 (140) or more (for adjacent installations) 3.64 (92.5) or more (from wall)

## [Page 8: How To Install On A Wall](#)

Installation Manual ■ How to install on a wall NOTE • Avoid bundling the remote controller wiring with power wires or putting the wiring in the same metal conduits, which can cause malfunctions. • Install the remote controller away from sources that generate electronic noise. Wood screw (2 pcs.) Wall Bottom case (rear case)

## [Page 9: Connection Diagram](#)

Installation Manual ■ Connection diagram Remote controller wiring (locally procured) Terminal board for indoor unit Remote controller remote controller wiring Remote controller terminal board \* AWG20 to AWG14 (0.5 mm<sup>2</sup> to 2.0 mm<sup>2</sup>). \* Crimped terminals cannot be used. NOTE Wires A and B have no polarity.

## [Page 10: Installing 2 Remote Controllers](#)

• If you are installing 2 remote controllers, one of which is a Wired remote controller (RBC-AWSU52-UL), set the Wired remote controller (RBC-AWSU52-UL) as the "Header remote controller" and the other remote controller as the "Follower remote controller".

## [Page 11: For Group Connections](#)

Installation Manual ■ For group connections • When configuring a group connection consisting of indoor units of 4-way air discharge type (including compact type) and indoor units of other type (including air to air heat exchanger), set the 4-way ceiling cassette type indoor unit as the header.

## [Page 12: Part Names And Functions](#)

Installation Manual Part names and functions Operating LED Lights while operating. Temperature sensor Model name label \* The screens shown here are examples. The content that is displayed may differ, depending on the environment settings being used. Menu] button ] and [ ] buttons Shows the "Menu".

## [Page 13: Air Conditioner Main Screen](#)

Installation Manual ■ Air conditioner main screen This screen is for confirming or changing settings that are used every day, such as temperature, operating mode, air flow volume and wind direction. You can check the current state according to the setting items on the bottom of the screen. You can switch the setting items by pressing [ ] and [ ], and change them by pressing [...

## [Page 14: Initial Setting](#)

Installation Manual Initial setting Press [ Menu] to open the “Menu” In “Menu”, select “Initial setting”, and press Set/Fix] Press [ ] and [ ] to select an item Press [ Set/Fix] ■1. Clock You can set the year, month, date, and time. In the “Initial setting”...

## [Page 15: Name Of Room](#)

Installation Manual ■2. Name of room (Set the name of the location that the remote controller is installed) You can set the name of the location that the remote controller is installed. (The air conditioner can be operated even if this is not set.) In the “Initial setting”...

## [Page 16: Display Setting](#)

Installation Manual ■3. Display setting In the “Initial setting” screen, press [ and [ ] to select “Display setting”, and then press [ Set/Fix] Press [ ] and [ ] to select an item You can set the items that are black highlighted in the display.

## [Page 17: Light & Led](#)

Installation Manual ■5. Light & LED Select whether to enable lighting of the operating LED and the backlight of the LCD. In the “Initial setting” screen, press [ and [ ] to select “Light & LED”, and then press [ Set/Fix] Press [ ] and [...

## [Page 18: Key Lock \(Select Operations To Lock\)](#)

Installation Manual ■7. Key lock (Select operations to lock) You can select operations to lock by using operation lock. (For operation lock, refer to the Owner’s Manual.) In the “Initial setting” screen, press [ and [ ] to select “Key lock”, and then press [ Set/Fix] Press [...

## [Page 19: Password Setting](#)

Installation Manual ■8. Password setting You can set an administrator password for functions of the “Schedule timer” and “Night operation”. You can select “ON” or “OFF” the administrator password and change the administrator password. In the “Initial setting” screen, press [ and [ ] to select “Password setting”, and then press [...

## [Page 20: Header/Follower](#)

- When using 2 remote controllers, be sure to use the RBC-AWSU52-UL as the “Header remote controller”. Header remote Follower remote
- If you are using a pair of RBC-AWSU52-UL 1 can be used as the controller controller “Follower remote controller”.

## [Page 21: Language \(Changing The On-Screen Language\)](#)

Installation Manual ■10. Language (Changing the on-screen language) Set the language to display on screen. In the “Initial setting” screen, press [ and [ ] to select “Language”, and then press [ Set/Fix] Press [ ] and [ ] to select your desired language Press [ Set/Fix]...

## [Page 22: Summer Time](#)

Installation Manual ■12. Summer time Set summer time (Daylight saving time). In the “Initial setting” screen, press [ and [ ] to select “Summer time”, and then press [ Set/Fix] Press [ ] and [ ] to select “Shift time” Press [ ] to select “ON”...

## [Page 23: Field Setting Menu](#)

Installation Manual Field setting menu Press [ Menu] to open the “Menu” Press and hold [ Menu] and [ ] at the same time to open “Field setting menu” □ Press and hold 4 seconds. Press [ ] and [ ] to select an item Press [ Set/Fix]...

## [Page 24: Test Mode](#)

Installation Manual ■1. Test mode Does test operations after installation of air conditioners. Before test operation

- Before turning on the power, do the following. 1) Confirm that the resistance between the terminal block of the power supply and the earth is more than 1 MΩ using a 500-V megohmmeter.

[Page 25](#) Installation Manual Press [ ON/OFF] □ Operation starts, and in test mode screen (1) opens. (While stopped, it is screen (2)) □ Test mode is done while the operating mode is set to



“Cool” or “Heat”. □ The temperature cannot be set in test mode. □...

## [Page 26: Register Service Info](#)

Installation Manual ■2. Register service info. Registers contact for servicing, and model names and serial numbers of indoor units and outdoor units. • Automatically read from indoor units and outdoor units, but manual input is required for some products. • Input the phone number of contact to be displayed in “Service information” in “Information” on the “Menu”. •...

[Page 27](#) Installation Manual Inputting model names and serial numbers Target product Model name and serial number display method Model name and serial number are displayed from data from the indoor unit Light commercial indoor unit (manual input is not needed). Model name and serial number are displayed from data from the indoor unit (manual input is not needed).

[Page 28](#) Installation Manual Manually inputting model names and serial numbers In the “Register service info.” screen, press ] and [ ] to select “Outdoor model name”, and then press [ Set/Fix] □ For the serial number of outdoor units, select “Outdoor serial No.”. □...

[Page 29](#) Installation Manual Selecting model name and serial number display Displays the model names and serial numbers of outdoor units, indoor units, and remote controllers. In the “Outdoor model name” screen, press ] and [ ] to select “Model name selection”, and then press [ Set/Fix] □...

## [Page 30: Alarm History](#)

Installation Manual ■3. Alarm history Displays the last 10 check codes, and at which unit and when they occurred. In the “Field setting menu” screen, press ] and [ ] to select “Alarm history”, and then press [ Set/Fix] NOTE •...

## [Page 31: Address](#)

Installation Manual ■4. Address • Manually set the address of indoor units. When the power is turned on, addresses are set by automatic address setting, but the addresses may need to be changed on multi-unit systems. • Show the line address, indoor address, and group address of indoor units on the remote controller, operate the fan and louvres of relevant indoor units to check the relationship of the addresses and the indoor units, and if needed manually change the addresses.

[Page 32](#) Installation Manual REQUIREMENT For group connections • When configuring a group connection consisting of indoor units of 4-way air discharge type (including compact type) and indoor units of other type (including air to air heat exchanger), set the 4-way air discharge type indoor unit as the header. •...

[Page 33](#) Installation Manual ▼ Procedure example (1) Procedure for manual address setting (group connection of multi-unit system) REQUIREMENT Be sure to stop operation of the air conditioners. System type Triple system Single system Twin system System type Outdoor unit Outdoor unit Procedure example (1)

[Page 34](#) Installation Manual Press [ ] and [ ] to move the black highlight, and then press [ ] and [ ] to set the address (screen (3)) □ With the same procedure, set “2” for the group address for indoor address “2”. □...

## [Page 35: Monitor Function](#)

Installation Manual ■5. Monitor function Displays the codes and data indicating the operating condition and temperature of each sensor on the indoor units, outdoor units, and remote controllers. In the “Field setting menu ” screen, press ] and [ ] to select “Monitor function ”...

## [Page 36: Setting Timer Operation Mode](#)

Installation Manual ■7. Setting timer operation mode Set whether or not operating mode can be selected when “Schedule timer”. In the “Field setting menu” screen, press ] and [ ] to select “Setting timer operation mode”, and then press [ Set/ Fix] □...

### [Page 37: Easy I.dn Setting](#)

Installation Manual ■8. Easy I.DN setting Sets various functions related to air conditioners.  
REQUIREMENT Be sure to stop operation of the air conditioners. In the “Field setting menu” screen, press ] and [ ] to select “Easy I.DN setting”, and then press [ Set/Fix] □...

### [Page 38: Dn Setting](#)

Installation Manual ■9. DN setting Detailed data of various models of air conditioner can be set.  
REQUIREMENT Be sure to stop operation of the air conditioners. In the “Field setting menu” screen, press ] and [ ] to select “DN setting”, and then press [ Set/Fix] Press [...

### [Page 39: Reset Power Consumption Data](#)

Installation Manual ■10. Reset Power Consumption data Power consumption data saved in the remote controller can be reset. Press [ ] and [ ] to select “Reset Power Consumption data” on the “Field setting menu” screen, then press [ Set/ Fix] To reset the power consumption data, press the [...

### [Page 40: Rotation Backup](#)

Installation Manual ■12. Rotation backup Sets rotation backup operations for light commercial models using group connections. This function equalizes the operating times of each system when operating two systems of air conditioners together. Also, air conditioning can be continued even if one system malfunctions by starting up the system that is in standby.  
REQUIREMENT Be sure to stop operation of the air conditioners.

### [Page 41: Lc Easy Monitor](#)

Installation Manual ■13. LC Easy monitor The various sensor temperatures of the indoor unit and outdoor unit of light commercial models and operating conditions can be checked together. In the “Field setting menu” screen, press ] and [ ] to select “LC Easy monitor”, and then press [ Set/Fix] □...

### [Page 42: Indoor Unit Operation](#)

Installation Manual ■14. Indoor unit operation Forces operation of drain pump, fan / louvres built-in to indoor units to check operations. In the “Field setting menu” screen, press ] and [ ] to select “Indoor unit operation”, and then press [ Set/Fix] □...

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