ROBERTS

Ortus 4

DAB+/FM RDS / Bluetooth® Alarm Clock Radio

USER GUIDE

Version 1

UK CA CE

Safety Precautions

- Read all the instructions carefully before using the unit and keep them for future reference.
- Check that the voltage marked on the rating label matches your mains voltage.
- The unit must be placed on a flat stable surface and should not be subjected to vibrations.
- Do not place the unit on sloped or unstable surfaces as the unit may fall off or tip over.
- The mains socket must be located near the unit and should be easily accessible.
- Avoid extreme degrees of temperature, either hot or cold. Place the unit well away from heat sources such as radiators or gas/electric fires. Avoid exposure to direct sunlight and other sources of heat.
- Never place any type of candle or naked flame on the top of or near the unit.
- To reduce the risk of fire, electric shock or product damage, do not expose this unit to rain, moisture, dripping or splashing. No objects filled with liquids, such as vases, should be placed on the unit.
- If you spill any liquid into the unit, it can cause serious damage. Switch it off at the mains immediately. Withdraw the mains plug and consult your dealer.
- To prevent the risk of electric shock or fire hazard due to overheating, ensure that curtains and other materials do not obstruct the ventilation vents.
- Do not install or place this unit in a bookcase, built-in cabinet or in another confined space. Ensure that a minimum of 10cm should be kept around the apparatus for ventilation.

Safety
- Always disconnect the unit from the mains supply before connecting/disconnecting other devices or moving the unit.
- Unplug the unit from the mains socket during a lightning storm.
- This unit will become warm when used for a long period of time. This is normal and does not indicate a problem with the unit.

CAUTION

RISK OF ELECTRIC SHOCK
DO NOT OPEN

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the unit's enclosure that may be of sufficient magnitude to constitute a risk of electric shock.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the manual accompanying the unit.

WARNING: Only the accessories (such as external power supply) provided by the manufacturer can be used

Mains Adapter
- Make sure the unit is not resting on top of the mains adapter cable, as the weight of the unit may damage the cable and create a safety hazard.
- If the mains adapter is damaged it must be replaced by the manufacturer, its service agent, or similarly qualified persons in order to avoid a hazard.

Interference
- Do not place the unit on or near appliances which may cause electromagnetic interference. If you do, it may adversely affect the operating performance of the unit, and cause a distorted sound.

Supervision
- Children should be supervised to ensure that they do not play with the unit.
- Never let anyone especially children push anything into the holes, slots or any other openings in the case - this could result in a fatal electric shock.

Service/Maintenance
- To reduce the risk of electric shock, do not remove screws. The unit does not contain any user serviceable parts. Please leave all maintenance work to qualified personnel.
- Do not open any fixed covers as this may expose dangerous voltages.
- Ensure to unplug the unit from the mains socket before cleaning.

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- Do not use any type of abrasive pad or abrasive cleaning solutions as these may damage the unit's surface.
- Do not use liquids to clean the unit.

$---$ The symbol indicates DC voltage

$\diamond\!-\!\!\!\texttt{c}\!-\!\!\!\diamond$ The symbol indicates polarity of d.c. power connector

$\sim$ The symbol indicates AC voltage

☐ The symbol indicates class II equipment

⌂ For indoor use only

RECYCLING This product bears the selective sorting symbol for Waste electrical and electronic equipment (WEEE). This means that this product must be handled pursuant to European directive 2012/19/EU in order to be recycled or dismantled to minimize its impact on the environment. User has the choice to give his product to a competent recycling organization or to the retailer when he buys a new electrical or electronic equipment.

- The mains plug of power adapter is used as the disconnect device, The socket-outlet shall be installed near the equipment and shall be easily accessible.

Under the environment with radio-frequency disturbance, the product may malfunction and could self-recover when the interference disappear.

The marking information is located at the bottom of apparatus.

Caution
Please refer for further information to the user manual.

Use only power supplies listed in the user instruction.

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Product Overview
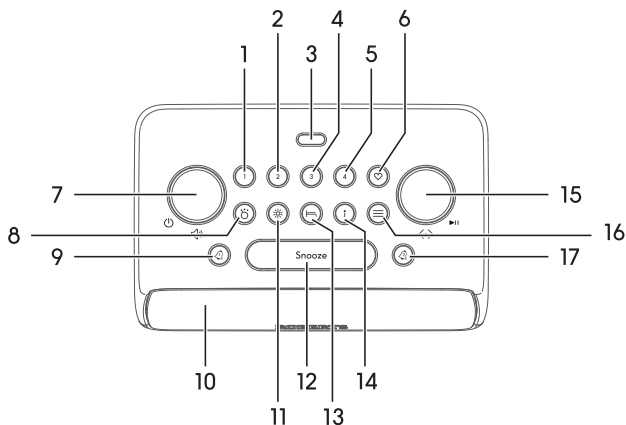
1. Preset 1 Button
2. Preset 2 Button
3. Ambient Light Sensor
4. Preset 3 Button
5. Preset 4 Button
6. ♡ Favorite Button
7. ⏻ Power/◁)) Volume Dial
8. ⎉ Mode Button
9. ⏰ Alarm 1 Button
10. Display

11. ☀ Dimmer Button
12. Snooze Button
13. ⊨ Sleep Button
14. i Info Button
15. ‹·› Tuning Dial/Select,
    ▶II Play,Pause Button
16. ☰ Menu Button
17. ⏰ Alarm 2 Button
18. Speaker
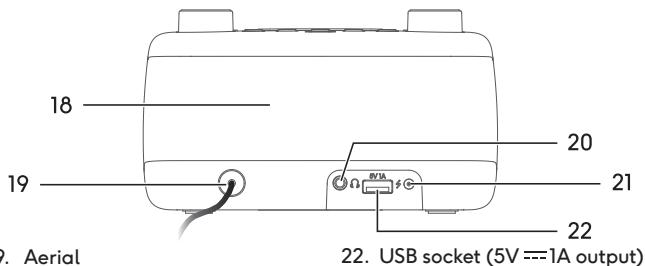
19. Aerial
20. Headphone Jack 🎧
21. Power Input socket ⚡

22. USB socket (5V ⎓1A output)

Unpacking

Remove all items from the packaging. Retain the packaging. If you dispose of it, please do so according to local regulations.
The following items are included:
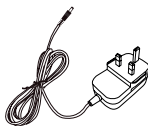
Main Unit   Mains Adapter   Instruction Manual
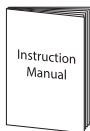
Power Source

Mains Power
1. Connecting the unit to any other power source may damage the unit. Unwind the mains adapter cable to its full length. Connect the end of the cable to the ⚡ Socket at the rear of the unit and then connect the mains adapter to the mains socket. Make sure the mains adapter is firmly inserted into the mains socket. The unit is now ready to use.
2. To switch the unit off completely, unplug the mains adapter from the mains socket.

Basic Operation

Powering ON/OFF
After connecting the mains adapter to the unit and the mains socket, the unit will show "*ROBERTS RADIO*" then "*00:00*".

1. Press the ⏻/◁› dial to switch on the unit.
2. Press the ⏻/◁› dial again to switch the unit back to Standby mode.
3. Disconnect the power cable of the mains adapter from the mains socket if you want to switch the unit off completely.

Selecting Modes
Press ⊙ button repeatedly to switch between modes (**DAB**, **FM** or **BLUETOOTH)**.

Adjusting the Volume
Turn ⏻/◁› dial to adjust the volume.

Automatically Setting the Clock
The clock will be updated automatically if you can receive DAB/FM signal in your location.
In order to synchronize to the current local time, you must leave the unit to receive signals from the DAB/FM station for a period of time.

DAB Operation

If the unit is connected to the mains power and then switched on for the first time, the unit will automatically enter into the DAB mode with DAB icon lit up on display and perform auto scan function. During the scan the display will show "*SCAN*" with arrow bar indicating the progress of the scan and the number of stations that have been found so far.

Once the scan has finished, the unit will select the first alphanumerically found station. To explore the found stations, turn ▶I I/ ⟨·⟩ dial and then press the same dial to confirm selection.

Scan

The DAB scan will search for the entire DAB Band III channels. After the scan has finished, the first alphanumerically found station will be automatically selected.

1. To scan for DAB stations, press ☰ button then turn ▶I I/⟨·⟩ dial to select "*SCAN*". Press same dial to confirm. The display will show "*SCAN*" with arrow bar indicating the progress of scan status and number of station found.
2. All the stations that have been found will be stored automatically. To explore and listen to the found stations, turn ▶I I/⟨·⟩ dial and then press the same dial to confirm selection.

Manual Tune

As well as the normal method of scanning, you can also manually tune to a particular channel/frequency. This can be useful for adjusting your antenna to achieve the best possible reception and scanning a particular channel to update the station list.

1. Press ☰ button and then turn ▶I I/⟨·⟩ dial to select "*MANUAL TUNE*". Press the same dial to confirm selection.
2. Turn ▶I I/⟨·⟩ dial to scroll through the DAB channels, which are numbered from **5A** to **13F**.
3. Press ▶I I/⟨·⟩ dial to select the station that you would like to listen.
4. To listen to any stations found, return to the now playing screen and turn ▶I I/⟨·⟩ dial to select the required station from the station list as normal.

DRC (Dynamic Range Compression)

If you are listening to music with high dynamic range in a noisy environment, you may wish to compress the audio dynamic range.

1. During DAB mode, press ☰ button and then turn the ▶II/‹·› dial to select "DRC". Press the same dial to confirm.
2. Turn the ▶II/‹·› dial to select "*OFF/HIGH/LOW*", press the same dial to confirm.

Prune

You may remove all unavailable station form on the list.

1. During DAB mode, press ☰ button and then turn ▶II/‹·› dial to select "PRUNE". Press the same dial to confirm.
2. Turn ▶II/‹·› dial to select "Y" to confirm delete. Or select "N" to cancel. Press the same dial to confirm.

DAB Display Modes

Every time you press i button, the display will cycle through the following display modes:

Station Name

This displays the station name of the current station.

DLS Text

This is a scrolling message giving real-time information, e.g. song titles, news headlines, etc.

> (★) DL Plus information - This is only displayed if broadcast by the station.

Signal Strength

This shows a slide bar to indicate the signal strength, the stronger the signal, the longer the bar will be from left to right.
The 📶 icon on display will also lit up in levels to indicate the station signal strength.

Programme Type

This describes the "style" or "genre" of the programme that is being broadcast.

Ensemble Name

This display the name of the multiplex that contains the station you are listening to. A multiplex is a collection of radio stations that are bundled and transmitted on one frequency. There are national and local multiplexes. Local ones contain stations that are specific to that area.

Channel Number/Frequency

This display the channel number and frequency of the present station.

Signal error

Show the stability and quality of signal reception , the best representation for 0.

Bit Rate

The display will show the digital audio bit rate being received

DAB or DAB+

Date

This display the current date provided automatically by the broadcaster.

FM Operation

To select FM, press the ⏻ button repeatedly to select FM mode. The display will show FM and the frequency with FM icon lit up.

Auto Scan

To search for an FM station, turn ▶II/⟨·⟩ dial in the desired direction then press the dial to scan the frequency band in forward or reverse scanning.
Once a station has been found, the scanning will stop automatically.

Manual Scan

To search for FM stations manually, fine turn ▶❙❙/‹·› dial repeatedly until your desired frequency is reached.

> With FM radio, it may be necessary to fine tune each station by turning the ▶❙❙/‹·› dial to your desired by adjust the frequency by 0.05 MHz. If reception is still poor, adjust the position of the aerial or try moving the radio to another location.

The $\widehat{\text{Y}}$ᵢᵢ icon on display will lit up in levels to indicate the station signal strength.

Scan Setting

This is a scanning option to scan all stations, or just scan stations with strong signal.
1. Press ☰ button and then turn ▶❙❙/‹·› dial to select "*SCAN SETTING*". Press same dial to confirm selection.
2. Turn ▶❙❙/‹·› dial to select "*LOCAL*" or "*DISTANT*". Press same dial to confirm selection.

FM Display Modes

Every time you press **i** button, the display will show the following display modes:

Station Name/Frequency

This displays the station name or frequency of the current station.

RDS RadioText

This is a scrolling message information about the current programme.

Programme Type

This describes the "Style" or "genre" of programme that is being broadcast.

Frequency

This displays the frequency of the present station, such as "*87.50 MHz*".

Date

This displays the current date provided automatically by the broadcaster.

Storing and Recalling Stored Stations

Presetting Stations

You can store up to 10 of your favorite DAB or FM stations to the memory. This will enable you to access your favorite stations quickly and easily.

```
DAB  10:30  ™
     PRESET 7 STORED
```

- To store a preset, first tune to your desired station, then press and hold the ♡ button for longer than 2 seconds, the display will show up preset list. Turn ▶ll/⟨·⟩ dial to select preset location and press same dial to confirm the station to save.
- Alternatively, press and hold preset buttons **(1-4)** for 2 seconds can directly save the station onto the preset 1-4.
- The station will be stored and the screen will then show "*PRESET # STORED*".

Recalling a Preset Station

To listen the preset stations, press the ♡ button once, the display will show up preset list, turn ▶ll/⟨·⟩ dial to select the desired preset location and then press same dial to confirm the selection.

```
FM   10:40  ™
     P 1   107.50MHZ
```

Alternatively, short press preset button **(1-4)** can directly switch to the preset station for playback.

If you choose a preset that hasn't been allocated a station, "*PRESET EMPTY*" will be displayed.

Bluetooth Operation

The unit has a Bluetooth function that can receive a signal within 8 metres. Pair the unit with a Bluetooth device to listen to music:
1. Press ☼ button repeatedly to switch to BLUETOOTH mode.
2. If the unit is not paired with any Bluetooth device, the bluetooth

icon on display will start to flash and the display will show "**PAIRING…**" to show the unit in pairing mode.
3. Activate your Bluetooth device and select the search mode.
4. "*ORTUS 4*" will appear on your Bluetooth device list.
5. Select "*ORTUS 4*" and enter "0000" for the password if necessary. Once connected the Bluetooth logo on the screen will stop flashing and the display will show "*CONNECTED*" for approx. 3 seconds then shown up device name. Your device is now paired with the unit.
6. Press ≡ button and turn ▶II/‹·› dial to select "*DISCONNECT*". Then press same dial to disconnect the device.
7. Alternatively, to disconnect the Bluetooth function, switch to another function on the unit or disable the function from your Bluetooth device.
8. To clear all device bluetooth pairing record in the unit, press ≡ button and turn ▶II/‹·› dial to select "*CLEAR PAIRING*". Press same dial to clear and the unit will be ready at pairing mode for any device connection.

Playing Music via Bluetooth
1. You may need to adjust the volume on your radio and Bluetooth device.
2. Press ▶II/‹·› dial to play/pause music and the display will show the song information when the device is playing songs.
3. Turn ▶II/‹·› dial to skip to the previous/next track.

- The operational range between the unit and the device is approximately 8 metres.
- For better signal reception, remove any obstacles between the unit and the Bluetooth device.
- Compatibility with all devices and media types is not guaranteed.
- Some mobile phones with the Bluetooth function may connect and disconnect as you make and end calls. This is not an indication of a problem with your unit.

Charging from the USB charging port

1. The USB charging port is designed only for charging mobile devices (e.g. MP3 player, mobile phone, etc). It supplies 5V DC at charging current up to 1A.
2. Use proper USB cable (not included) to connect mobile devices to the USB charging port and charging will start.

Alarms And Snooze

As well as a clock/calendar, there are two wake-up alarms with snooze facility. The alarm sound for each alarm can use a Buzzer, Digital Radio or FM.

Ensure the time and date set before you can activate the alarm function.

Setting the Alarm On/Off
1. Press ⏰/⏰ button repeatedly can trigger alarm 1/2 on and off. Once the Alarm 1/Alarm 2 is set ON, the corresponding alarm icon (⏰/⏰) will show on the display.

Alarm Setup
1. Press and hold ⏰/⏰ button to enter alarm 1/2 setup menu with corresponding alarm icon (⏰/⏰) flashing.
2. Turn ▶II/‹·› dial to select the option below, then press same dial to confirm every setting.

Alarm Time	**00:00** (manually set up the time)
Mode	**BUZZER/DAB/FM**
Preset	**LAST LISTENED** or saved preset station (not available for Buzzer mode.)
Days	**DAILY/ONCE/WEEKDAYS/WEEKENDS/MON-SAT/SUNDAYS** (if you choose "Once", the alarm will set off automatically when ringing alarm was stopped.)
Alarm Volume	Turn ▶II/‹·› dial to adjust the alarm volume(2-30)
Alarm On/Off	Turn ‹·› dial to select between alarm **ON** and **OFF**

3. The display will show "ALARM 1/2 SAVED" after setup done. If the Alarm 1/2 is set ON, the corresponding alarm icon (⏰/⏰) will show on the display.

At the set time, the corresponding alarm icon will slow flash and the alarm will sound, quietly at first, then gradually building up to the set volume.
To cancel a sounding alarm and switch the radio to standby, press the ⏻/◁) button or ⏰/⏰ button.

Snooze

To temporarily silence a sounding alarm, press **SNOOZE** button and the Z^Z icon will lit up and flash on display as indication . Snooze period is 9 minutes. When the countdown reaches 0 (zero) the alarm is triggered again.

Press ⏻/◁) dial or ⏰/⏰ buttons to fully cancel a sounding alarm and switch the radio to standby.

Display Backlight

There are four display brightness levels to choose.
To set the brightness level, repeatedly press the ☼ button and the brightness of the display will change in sequence: Auto>High>Medium>Low
The brightness setting for Power ON mode and Standby mode was separated. Press the ☼ button under the target mode to adjust.
The product features a light sensor on top panel in detecting the ambient room brightness which will auto dim the display by setting to Auto setting. The brighter the environment, the brighter the display or will go dim at dark room.
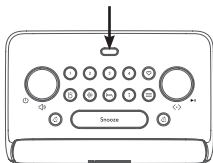
Sleep Timer

This function allows you to program the unit to switch off itself after a set period of time.

1. Press ⊨ button and turn ▶II/⟨·⟩ dial to switch between timer settings: *SLEEP OFF /5/10/15/20/30/45/60/90* minutes. Press ▶II/⟨·⟩ dial to confirm setting and start the timer.
2. The display will show up sleep timer remaining at the right of bottom textline with ⊨ icon light up on display.
3. To cancel the sleep timer, repeat step 1 to select "*SLEEP OFF*", then press the ▶II/⟨·⟩ dial to confirm

System Settings

Time/Date

1. To set the time & date, press ☰ button to display the menu.
2. Turn ▶II/⟨·⟩ dial to select "*SYSTEM*", and then press the same dial to confirm selection. Turn ▶II/⟨·⟩ dial to select *TIME/DATE*, then press same dial to confirm.
3. Turn ▶II/⟨·⟩ dial to select the option below, then press same dial to confirm.:

SET TIME/DATE

Turn ▶II/⟨·⟩ dial to adjust the time and date, then press same dial to confirm

SET MODE

Turn ▶II/⟨·⟩ dials to select 12 Hour or 24 Hour, then press same dial to confirm.

Auto Update

Turn ►I*I*⟨·⟩ dial to select "*ANY, DAB, FM* or *NO UPDATE*" then press same dial to confirm.

> The auto update is default at "*ANY*"; it will resume to default when every power plug-in/power-up.

Press ☰ button to move back menu level and to exit the menu.

Language

1. Press ☰ button and turn ►I*I*⟨·⟩ dial to select "SYSTEM". Press the same ►I*I*⟨·⟩ dial to confirm.
2. Turn ►I*I*⟨·⟩ dial to select "LANGUAGE" and press ►I*I*⟨·⟩ dial to enter language menu.
3. Then turn ►I*I*⟨·⟩ dial to select the display language of your choice and then press the same ►I*I*⟨·⟩ dial to confirm:

Factory Reset

1. To perform factory reset, press ☰ button to enter Menu.
2. Turn ►I*I*⟨·⟩ dial to select "*SYSTEM*" and press same dial to confirm.
3. Turn ►I*I*⟨·⟩ dials to select "*FACTORY RESET*" and press same dial to confirm.
4. Turn ►I*I*⟨·⟩ dial to select "*Y*" to perform factory reset or "*N*" to cancel.

Software Version

1. To view the software version, press ☰ button to enter Menu.
2. Turn ►I*I*⟨·⟩ dial to select "*SYSTEM*" and press same dial to confirm
3. Turn ►I*I*⟨·⟩ dial to select "*SW VERSION*" and press same dial to confirm

Using Headphones

You can connect your headphones (not included) by plugging into the Headphones socket 🎧 at the rear of the unit. Turn down the volume before connecting your headphones. Slowly raise the volume with the headphones on until you reach your desired level. When headphones are connected, the speaker will be silent.

Note:
Alarms will continue to sound through the product's main speaker even if the headphones are connected.

Long-term exposure to loud music may cause hearing damage. It is best to avoid extreme volume when using earphones, especially for extended periods of time.

Specification

Brand	Roberts
Model	Ortus 4
Power Supply	Input: AC 100-240V ~ 50-60Hz 0.6A Output: DC 5.0V, 1.5A
USB Power	Output: DC 5V ⎓1A
Power Consumption	7.5W
Speaker Output Power	1 x 2W RMS
Working Environment - Temperature	0 ~ 40°C
Net Weight	446g
Unit Dimension (W) × (D) × (H)	158 ×101 × 90 mm
Radio Frequency	DAB 174 - 240 MHz, FM 87.5 –108.0 MHz

Power Adapter information

Manufacturer's name and address: ShenZhen Rongweixin Technology Co., Ltd. No.8, Tianyang 3rd Road, Dongfang Community, SongGang Street, Baoan District, Shenzhen, Guangdong, P.R. China	
Model Number:	R122-0501500BD
Input Voltage and Frequency:	100-240V ~ 50-60Hz 0.6A
Output Voltage:	DC 5.0V
Output Current:	1.5A
Output Power:	7.5W
Average Active Efficiency:	76.7%
No-Load Power Consumption:	0.09W

Standby power consumption: ≤0.8W

Note:
- In DAB radio and Bluetooth mode, the unit will automatically go to Standby mode after about 15 minutes, if it has no signal. Press ⏻/◁》 dial to resume.
- FM is an exception. It will not automatically go to Standby mode if it doesn't receive a radio signal.

Features and specifications are subject to change without prior notice.