

pure acoustics®

User's Manual for QBT-450

Digital Bluetooth Clock Radio



■ Thank you for purchasing the Pure Acoustics, Digital Bluetooth Clock Radio.

Pure Acoustics, Digital Bluetooth Clock Radio QBT-450 is surely an ideal companion for you whether e at home, in the office, on beach or just outdoors.

It is recommended to read this manual carefully before primary use of your QBT-450 to better understand all the functions and key features of the speaker.

I. Features

■ Play music stored on devices such as SD card, flash drive, MP3's and more ...

USB port plays music off of your flash drive

SD card slot - Easy access to music stored on your memory card

Support to directly access music files as large as 32G in size and automatically play music in common formats such as mp3 and wma

■ High-sensitive Radio function covering all frequencies

Tested and evaluated in professional laboratories, the integrated high-sensitive FM module is able to receive radio frequencies of the highest standard.

■ High-fidelity sound quality

The 2-inch high quality full range speaker units of your QBT-450 are designed to produce penetrating treble, resonant midrange and a powerful bass as well.

■ LCD display screen

The 3.5" LCD display screen makes it easy to utilize all the features of the QBT-450.

■ Convenient 3.5mm AUX input

Allows you to connect your QBT-450 directly to a number of different devices such as iPods, iPhones, iPads, Smartphone's, MP3's, tablets and computers

■ Bluetooth Function

Play Music effortlessly via Bluetooth v2.1 + EDR (A2DP)

II. Included accessories

■ Contents




- QBT-450 Digital Bluetooth Clock Radio 1piece
- User's Manual QBT-450 1piece
- 3.5mm Stereo Audio Cable(AUX) 1piece
- USB Power Cable 1piece
- 1050mAH Li-polymer rechargeable battery 1piece

III. General Specifications

Categories	Items	Description
Audio Playback	Suitable storage card	SD card and flash memory stick
	Maximum storage card size	32GB
	Audio format	MP3 or wma etc...
Screen	Type	LCD(liquid crystal display)
	Size	3.5" inches
	Color	White LED backlight, white characters on the blue background
FM Radio	Frequency range	87MHz-108MHz
	Max-#-of preset stations	30
	Receiving antenna	External high-sensitive antenna
	Search method	Fully or semi-automatic
Stereo System	Sound channels	2.0
	Speaker system	Full range and magnetic shield
	Speaker units	2inchs*2
	Power	3W*2
	Frequency response	100~20KHz

	Sensitivity	600mv
	Impedance	4 ohms
External Connection	AUX audio-in	3.5mm standard jack
	DC-IN power connector	Standard 3.5mm DC input connector
	Card type	SD card and flash memory stick
Bluetooth Parameters	Bluetooth specifications	Bluetooth V2.1+EDR(A2DP)
	Transmission range	≥10M (depending upon environment factors and Bluetooth devices to which it connects)
Specifications	Lithium battery	BL-5C
	Volume	W230mm x H77mm x D156mm
	Operation temperature	-5 ~ 40°C
	Net weight	0.8kg
	Gross weight	0.9kg
	Product bar code	HS 85182200


IV. Product Features


1. **Mode:** Mode selector
2. **▶|:** Play/Pause/Automatic station search/Next station
3. ¹: Alarm 1
4. ²: Alarm 2
5. **Dimmer/Snooze:** Backlight control/Alarm setup
6. **+▶:** Volume increase/the next track
7. **◀-:** Volume decrease/the last track
8. **SET:** Setup
9. **SLEEP:** Automatic shut-down when time is up
10. : Power on and off
11. LCD display screen
12. Speaker
13. Speaker

- 14. SD card slot
- 15. USB port
- 16. Power connector
- 17. Audio-in jack
- 18. FM antenna outlet
- 19. Battery

V. Operation Description



■ Button Function Description



: Power on and off



The Power Button of the speaker is in the OFF position by default. Press  to power it on or off. The Display will illuminate or go off indicating power switch position.

[Hint: Following being switched on, the speaker goes into the AUX mode by default and meanwhile, the LCD display screen displays accordingly.]

: Play/Pause/Automatic station search/Next station. LCD display screen will display appropriately.

1: Press this button to enable or disable alarm 1. When enabled, the icon  appears. Press and hold

1 to set up alarm 1 and the LCD display screen displays . Meanwhile, the clock flashes.


Press  and  to adjust the displayed time, next, press the Set button to set the adjusted time displayed or pause (2-3 seconds) and the clock will set automatically.


2: Repeat steps listed in alarm 1.



[Hint: The alarm lasts 1minute and to turn it off, press the Alarm Button]

Snooze/Dimmer: Backlight control: QBT-450 has 3 brightness settings, light on, light off and completely off. Press this button to select the desired setting.



Snooze: This button is only available when the alarm is set to off. Press it to delay the alarm for 5minutes.

: Press and hold this button to increase volume, the LCD screen will displays the current volume level.

In music playback mode, press  to skip to the next track; when configuring time, press it to adjust the hour, minutes and seconds.

: Press and hold this button to decrease volume and the LCD screen will displays the current volume level. In music playback mode, press  to skip to the previous track; when configuring time, press it to adjust the hour, minutes and seconds.

Set: Check the time and set up the calendar.

Calendar setup: Press and hold the Set Button to initiate date configuration. When the year flashes, press  and  to adjust and then move to the month by pressing the Set Button again, continue

to adjust via ◀/- and +/▶ . When configuration is done, press any button to quit or quit automatically.

Time check: When the time is not available, press the Set Button to check it out.

Sleep: The speaker turns itself off when the time is up. Options of this button include OFF, 15, 30, 45, 60, 75, 90 and 120minutes. Such function is set to OFF by default.

■ Music Playback Function

1. Function selection: Press the Mode Selector to select from the following 5 operation modes: SD card, Flash Memory Stick, AUX, FM and Bluetooth.
2. When a SD card or flash memory stick containing music files is inserted, press ◀/- and +/▶ to select tracks and press and hold the same button to increase or decrease volume. To pause or resume playback, press ▶II. In either mode, the SD card or flash memory stick takes priority.
3. In the AUX mode, press and hold ◀/- and +/▶ to adjust the volume.
4. In the FM mode, press and hold ▶II to initiate automatic station search, press ▶II to select stations and ◀/- and +/▶ to tune.

[Hints: Pause is not available in the FM and AUX modes]

5. Bluetooth mode

Use the Mode Selector to select the Bluetooth mode and the speaker beeps, indicating that the Bluetooth mode is enabled. Switch on the Bluetooth device to search for the Speaker BT034. Choose it and confirm, the speaker beeps again and on the other hand, the Bluetooth device also displays information concerning successful connection. As the speaker is able to memorize the last paired device, it will automatically pair up with the device to which it connected successfully last time when turned on.

Hint: When connection is failed, please turn the speaker off and then on. Low battery power could also attribute to such fault, please recharge or replace the battery if confirmed.

■ External Device (PC/Cellphone etc.) Use Mode

1. Connect the external devices with the speaker via the supplied 3.5mm audio cable to start playing music. Press the Mode Selector to select AUX to initiate the current mode.

■ Power Supply

1. This product can be powered via the USB cable, 7 or lithium battery BL-5C.
2. Check the battery icon on the LCD display screen to verify battery power situation. If the battery is full, the battery icon is filled completely with bars and if depleted, such icon flashes and no bar shows inside. In such circumstance, please recharge or replace the battery.
- 3.

VI. Precautions

- Avoid damp, moist areas
- Keep away from water & other liquids
- Do not use any water or liquid cleaning agents to wipe up the surface of the speaker. To clean simply

wipe down with a piece of soft cloth

- Do not expose to direct sun light or to environments of extreme heat
- Limit voltage to 5V or less
- Avoid dropping the speaker as this may cause internal and external damage
- Do not dismantle the speaker without authorization

VII. Troubleshooting

Faults	Solutions
No power supply and dead LCD screen	(1) Check whether the battery is installed properly; (2) Check whether the power cable is connected well; (3) Check whether the Power Button or the backlight is on
SD card/flash memory stick failure	(1) Check whether the music playback mode is initiated; (2) Check whether the SD card or flash memory stick is inserted properly; (3) Check whether the tracks stored on the SD card or flash memory stick are in the format of MP3.
Unable to receive FM signal or not all stations are functioning	(1) Check whether the FM mode is initiated; (2) Check whether the surroundings are too enclosed or remote; (3) Check to ensure the FM operation procedures are followed strictly.
AUX mode failure	Check whether the supplied 3.5mm audio cable is connected well to the speaker.

Bluetooth connection failed several times	<ol style="list-style-type: none"> 1. Check whether the speaker is still in pairing mode or switch QBT-450 off and then on. Device will enter pairing mode automatically; scan again 2. There are too many Bluetooth devices in proximity that cause difficulty in connection. Please turn them off.
Low or distorted sound in the Bluetooth mode	<ol style="list-style-type: none"> 1. Check the Bluetooth device's volume and then adjust it to a proper level. 2. Recharge the battery
The music stops from time to time in the Bluetooth mode	Check whether the speaker's effective transmission range is exceeded or there is an obstacle standing between the speaker and other Bluetooth devices.

VIII. Compatibility

Wireless: Devices configured with Bluetooth 2.1 or higher version such as iPad, iPhone (second generation or at least software v3.1), iPod Touch and MAC as well as a majority of Smart phones or computers that support Bluetooth.

BLUETOOTH V2.1 consists of protocols like: A2DP, AVRCP.