NFC BluetoothMusic player Receiver/ Transmitter

User Manual

Product description

- This machine is used for BluetoothMusic player receiving and transmitting.
- With a digital LED display, it can display various working modes and states.
- It supports for I/O of AUX audio, 3.5mm interface audio and RCA audio, and for the digital optical / coaxial input.
- With a digital microphone, it can provide wireless music listening, hands-free calls or vehicle navigation.
- With 500mAh battery, it can support for simultaneous charging and use. It can listen to music for 6-8 hours when being fully charged (Data measured in the laboratory may vary slightly between different environments and audio content).
- With the function of NFC wireless Bluetooth pairing (NFC function is required for mobile phone / tablet computer), experience the simple control mode.
- It supports for the play (receiving/transmitting) of audio file in multiple formats, such as USB disk and TF card.
- It supports for the infrared remote control operation. With a card-type remote controller, the device can provide a remote control distance of 5-8m (Without blocking).

Product Specification

Name: NFC BluetoothMusic player receiver/ transmitter with digital display and infrared remote control

Model :X6

Bluetooth version: V5.0 + EDR
Frequency range: 2400-2483.5MHZ
Frequency response: 10Hz-20KHz
Input power: DC 5V
Input current: 5.5A
Bluetooth protocol: HFP/A2DP/AVRCP
Main size: L80xW60xH20 (mm)

Charge time: About 1-2 hours at TYPE-C interface
Interface type: AUX/RCA/optical / coaxial /USB/TF card
Remote-controlled distance: Barrier-free 10 meters
Battery: 3.7V/500mAh lithium battery
Signal-to-noise ratio: ≥ 90dB
Audio format: MP3/WAV/WMA/APE/FLAC

List of Products

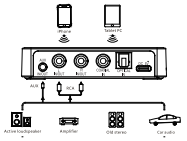
1. Bluetooth Receiver/ Transmitter	x1	2. AUX 3.5mm audio cable	x1
3. RCA audio cable	x1	4. TYPE-C charging wire	x1
5. User Manual	x1		

Schematic diagram of interface

1. AUX audio input / output interface
2. Left channel audio input / output interface
3. Right channel audio input / output interface
4. Coaxial digital audio input
5. Optical digital audio input
6. Type-C charging interface
7. Reset button
8. USB interface
9. TF Interface
10. FN Compound function key: Press slowly once to switch the signal source (AUX coaxial optical Bluetooth USB TF), and press twice to switch between receiving (RX) and transmitting (TX) modes
11. Volume +Previous song: Long press to turn down the volume; turn one to play the previous song
12. Play / pause or call key: Click to switch between play / pause, and double click to return. Click once to answer calls when calling, and long press to reject calls.
13. Volume +Next song: Long press to turn up the volume; turn one to play the next song
14. NFC induction zone
15. Receiving (RX) indicator: This indicator is on when the machine is at the receiving mode
16. Transmitting (TX) indicator: This indicator is on when the machine is at the transmitting mode
17. Power supply switch: Power ON/OFF
18. Call window hole
19. Infrared connector window
20. Display window

Receiving mode (RX)

It is applicable to all equipment with AUX or RCA Audio input interface, such as active speakers / old audio / speakers / headphones / power amplifiers / cars. Upgrade ordinary wired speakers to Bluetooth stereo, and wirelessly transmit music from mobile phones to speakers and other devices for playback.



Step ①: Wiring/startup

1. With AUX 3.5mm audio cable or RCA cable, one end is inserted into the machine and the other end is inserted into the audit input interface (3.5mm audio interface or RCA port) with active speaker.
2. Long press the on-off key for 3 seconds until the display screen displays BLUE. RX and red indicator flash simultaneously, indicating the adapter in the receiving mode. The first startup is receiving mode by default, otherwise click FN key to switch to the receiving mode. The device is equipped with the mode memory.
3. When it is not in AUX LINE mode, please take the AUX line away from the AUX hole of the machine, otherwise there will be audio crosstalk

Step ②: Pair with smartphones (support for NFC)

1. Open the Bluetooth function of mobile phone or tablet computer select and connect "X6" in the list and complete the pairing according to the prompt. Then RX on the display screen is on. At the same time, RX status indicator on the machine panel is on, indicating the successful pairing between the machine and the mobile phone.
2. Turn on the music player in the mobile phone or tablet computer. The sound of a mobile phone or tablet computer can be transmitted to an active speaker via Bluetooth. Play, pause, previous/next song, volume +/- and other operations can be implemented on the device.

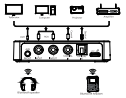
Tips:

1. The device has a built-in HD microphone. When there is an incoming call in the mobile phone connected or in the music playback mode, the machine will automatically switch to the call mode, and the screen displays CALL. You can answer / reject / hang up (see the Key Operation Instructions for details)
2. The device can automatically save the paired devices. When your mobile phone or tablet computer has been successfully paired, the device will automatically reconnect your phone next time.
3. The device supports for the mobile NFC induction connection. Place the mobile phone or tablet computer with NFC function close to the NFC induction zone of the device for about 2 seconds. When the mobile phone pops up the NFC connection window, click OK.
4. The device supports for USB-disk and TF card playback under the mode. After insertion, the signal source can be automatically recognized and played. You can click FN key to cycle the signal source. At the same time, the device voice broadcasts the current signal source without repeatedly unplugging the signal source / line.
5. Make sure that the audio input interface on the device is connected correctly. Interface errors will cause silence or other failures.
6. If the pairing fails, turn off the mobile phone Bluetooth or clear the Bluetooth list, restart the Bluetooth adapter, repeat the above pairing steps, and try again.

TX mode (transmitting mode)

It is applicable to desktop computer / notebook / TV / power amplifier / projector and other equipment with audio output interface (such as AUX/RCA / optical / coaxial). It can instantly upgrade Bluetooth function to realize wireless connection to Bluetooth headset or Bluetooth speaker.

Connection Diagram



Step ①: Wiring/startup

1. With AUX 3.5mm audio cable or RCA cable, one end is inserted into the adapter and the other end is inserted into 3.5mm audio output interface or RCA audio output interface of the computer or television.
2. Long press the power key for 3 seconds to boot the device and display LINE. At the same time, TX and blue indicator flash, indicating the adapter in the transmitting mod (the device has mode memory). If turned on in another mode, double click FN key to switch.

Step ②: Bluetooth pairing

1. Put this product near the Bluetooth headset with a valid distance of no more than 10 meters, while ensuring that the machine is turned on and in the transmitting mode.
2. Turn on a Bluetooth headset or Bluetooth speaker and make sure they are waiting for automatic pairing

3. After successful pairing the display screen displays LINE At the same time ,the indicator on the display TX and panel TX are on, At this time, the sound of computer / TV / DVD can be wirelessly transmitted to Bluetooth headset or Bluetooth speaker via Bluetooth.

Tips:

1. The device can automatically save the paired devices. When your Bluetooth headset or Bluetooth speaker is first paired successfully, it pairs automatically when turned on again
2. This mode supports for the transmitting under AUX/USB/TF card/ digital optical / coaxial modes. Insert the corresponding signal source and switch the signal source cyclically by clicking FN. At the same time, the equipment voice broadcasts the current signal source, without the need to repeatedly unplug the signal source / line.
3. Make sure to connect correctly to the audio output interface for computer / TV devices. Interface errors will cause silence or other failures. If the pairing fails, restart the Bluetooth headset / Bluetooth speaker and this device, and repeat the pairing procedure above to try again. Bluetooth protocols vary between devices. Different pairing time is normal.

Explanation of NFC new functions

RX mode (Bluetooth receiving) supports for NFC connection This function only supports mobile phones or tablet computers with NFC features. Specific instructions are as follows:

1. Turn on NFC feature of your phone or other devices
2. Close the NFC induction zone of the mobile phone to the NFC induction zone on the front of the X6 Bluetooth receiver/ transmitter at zero distance. When the mobile phone pops up the NFC connection window, click Connect. (If the verification code needs to be entered in the pop-up dialog window, enter "0000"; if not, ignore it.)

Notes: Any mobile phone or tablet device with NFC can use this method to operate the device as long as it is successfully connected to the device for the first time.

Digital optical / coaxial function

* This device supports for the digital Optical/ Coaxial input. The digital signal can be converted into analog audio signal. Note: Optical / coaxial output is not supported
* Under the receiving mode (RX): The device supports for optical / coaxial input, converts it into AUX/RCA analog audio signal, and outputs it wired to active speakers and other devices for playback
* Under the transmitting mode: The device supports optical fiber / coaxial input, converts it to AUX/RCA analog audio signal and transmits to Bluetooth headset, Bluetooth speaker and other devices via the Bluetooth

Remote control diagram

Remote control instructions: The effective remote control distance is about 5-8 meters. BT is only valid under RX mode . Previous song/next song is valid under USB disk and TF card playback mode.

Common problems

When you encounter the following problems, you can attempt the following methods. If there are still problems after processing, please contact the network dealer or customer service. Do not start up or repair by yourself. Return / replacement is not supported after disassembly!

1. The machine display is off
A: Please check whether the machine is normally plugged into the TYPE-C charging wire or whether the battery is charged.
2. Failure to enter the receiving/transmitting mode
A: Double click FN button in any mode to switch to the next mode. LED display screen will display the current mode. For example, the indicator on RX/TX mode panel will be on.
3. Failure to connect the Bluetooth device (such as Bluetooth headphone)
A: Close the Bluetooth receiver/ transmitter to the mobile phone tablet, restart the Bluetooth headset, tablet, mobile phone and other devices to connect again. If it still fails, turn off the transmitter and restart the Bluetooth headset or tablet to ensure that it is in the state of waiting for pairing
4. No sound output
A: Please check if 3.5mm audio lines, RCA lines, optical lines, coaxial and aux lines are correctly connected. It is inserted into the audio output interface in the transmitting mode and the audio input interface in the receiving mode. Check if all the current signal sources are correct simultaneously. If the error interface is found, switch to the correct signal source by pressing FN function key.
5. Failure to read USB or TF card
A: Make sure there are music files or the file format is correct, or recheck whether the signal source is correct.
6. No sound after digital optical /coaxial insertion
A: First determine the current working mode, in RX receiving mode, digital optical / coaxial input is converted into AUX/RCA analog signal and wired output to ordinary speaker. In TX transmission mode, the digital optical / coaxial input is converted into analog signal and then wirelessly transmitted to Bluetooth headset / Bluetooth speaker.
7. Devices supported
A: Support all devices with audio input or output interface, such as computer, TV, active speaker, home audio, office audio, car, power amplifier, projector, wired headset, etc.

Indicator description

Indicator status description					
Blue indicator flashes	Blue indicator is always on	Red indicator is always on	Red indicator flashes	Red indicator is always on & flashes	Red indicator is always on
Waiting for connecting	Connected successfully	RX Receiving mode	Waiting for pairing	Pairing successful	TX transmitting mode

Display function description

Display status description						
BLUE	LINE		LINE	OPT	COR	USB
Receiving mode	Transmitting mode		AUX	Optical fiber	Coaxial	USB disk
TF	PRUS	U10	02: 30	CRLL	HIFI	OFF
TF card	Pause	Volume Adjustment	Play time	Call function	Startup	Shutdown

Key operation instructions

Function	Multifunction button operation instructions			
	FN key	◁	▶II	▷
		/	/	/
Mode switching (TX/RX)	Double-click	/	/	/
Signal switch	Press once	/	/	/
Play/pause	/	/	Press once	/
	/			
Volume Adjustment	/	Long press for volume -	/	Long press for volume +
Previous/next song	/	Short press for previous	/	Short press for next song
Answer/hanging up	/	/	Press once	/
Rejecting calls		/	Press long	/

Reset to factory settings

Under any mode after startup （When not charging).When machine operation fails insert a small needle into the RESET hole on the side of the machine Machine shutdown, which means that it has been restored to factory setting successfully.

Precautions

* The lithium battery in the machine complies with UN38.3 transportation certification and MSDS safety certification.
* The machine is powered by 5V±5%. Beyond the standard voltage range, it can cause product damage or safety hazards.
* The machine shall not be placed near the magnet or be used near the strong magnetic field, otherwise it will affect the normal function of the product or damage the product.
* Please do not fall off the project. The rough use may damage the product.
* This product is an audio transmission device and does not support image/file playback and transmission.
* The device cannot be discarded in water or fire.
* Please operate this product in a dry environment, rather than a high-temperature or humid environment with the lithium battery inside. Otherwise, it may damage the product or cause electric shock or fire. The product shall not be placed in high temperature or open fire which may cause battery explosion.
* Please take good care of children to ensure that they do not play with the toy

FCC Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

•Reorient or relocate the receiving antenna.

•Increase the separation between the equipment and receiver.

•Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

•Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

RF Exposure Information

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.