

# Powerful Musical Sound

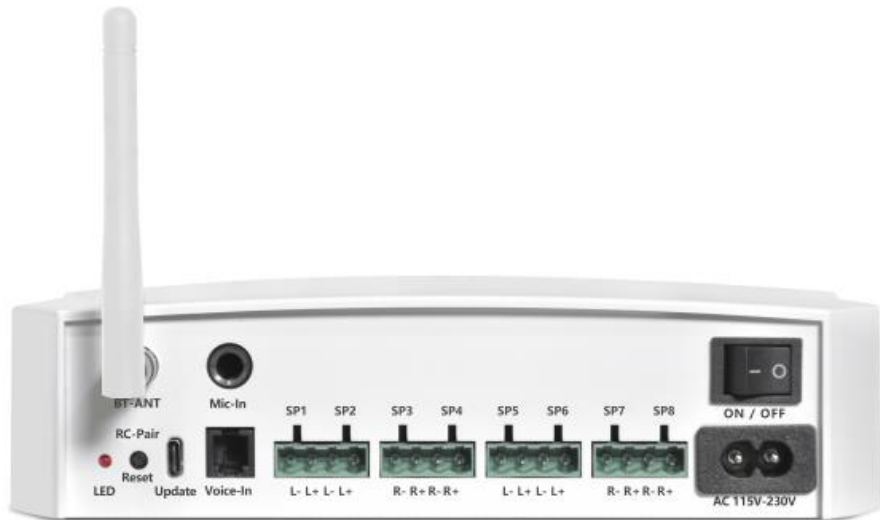


XT-160AMP

## XT-160AMP Amplifier - User Manual

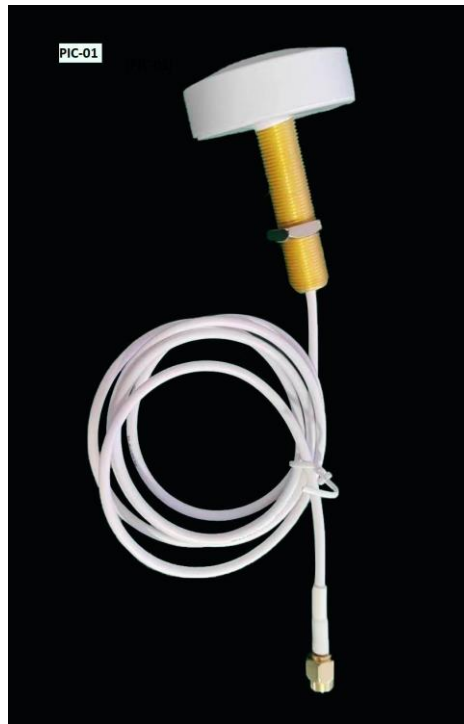
### Functional summary

- 160W Amplifier- 8 ohms , (20Hz-20kHz)
- 8-Ports Audio- maximum 160W(8×20W) , Can support up to 16 Speakers X 10W maximum each Port .
- Built-in 2-UHF microphones A+B Chipset,UHF Frequency Range: 820MHz - 850MHz (Mic Optional).
- Built-in Bluetooth Audio SoC,APT-X,HD audio-15m Distance Qualcomm.
- Extra microphone input Port- with a 6.5mm interface.
- AUX Audio Input , Rj09 Port
- Wireless Remote uses 433Mhz frequency low power device UHF frequency Control- 360-degree direction signaling technology-20M coverage.
- Support pairing multiple Amplifiers with 2 UHF microphones A&B Channel.
- Support Playing Music , Audio Sharing from one Mobile to multiple Amplifiers ( Work with Android Mobiles Only ).
- Power Supply : AC115V-230V (47-63Hz)



## General Notes :

- 1- Use Cable Cat6 wire between Speakers & XT-160AMP , normal sound cables can be used but Cat6 will be more easy for you to fix inside the Amplifier Ports.
- 2- Use the External 1M Bluetooth antenna (PIC-01) Free included inside the XT-160 AMP box ,when you install the XT-160AMP inside the room ceiling.
- 3- Use a separate Electrical Power switch ON/OFF for your XT-160AMP inside your room ( same as a light switch ) .
- 4- Make sure the room is a cool place, not more than 25C .
- 5- Use 8 ohms Speakers , Each speaker not more than 20W , for 8-Ports Audio,Total maximum 160W Amplifier .
- 6- Make sure the XT-160 AMP Power **OFF** Position before you connect the AC to the Amplifier.
- 7- for more details Pls Watch : <https://links.xontel.com/3RD1yBD>



## Start Up

### Power on the Product:

- 1- make sure the AC source is in OFF Position.
- 2- Connect the Amplifier UK power cord cable to the AC source.
- 3-Turn ON the AC source then turn ON the Amplifier Power **ON** Switch in the back.
- 4- The Amplifier will start to announce the "**Bluetooth ready**" tone, waiting for the user to connect the device for use.

### Remote Control :

In the Normal situation The Remote control is already PAIRED with the XT-160AMP( Amplifier )from the factory. Just try to Power ON/OFF the device using the Remote to check if the PAIR is OK .

make sure the new Remote control has a new battery and the Red LED  
The remote is working when you press any Key .



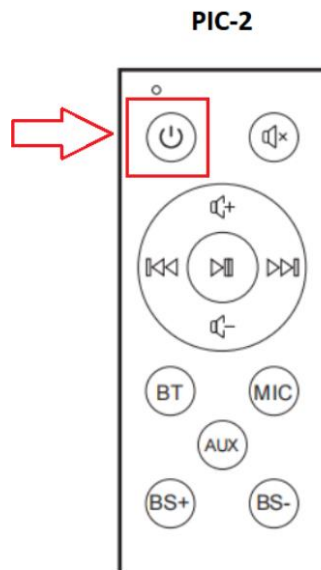
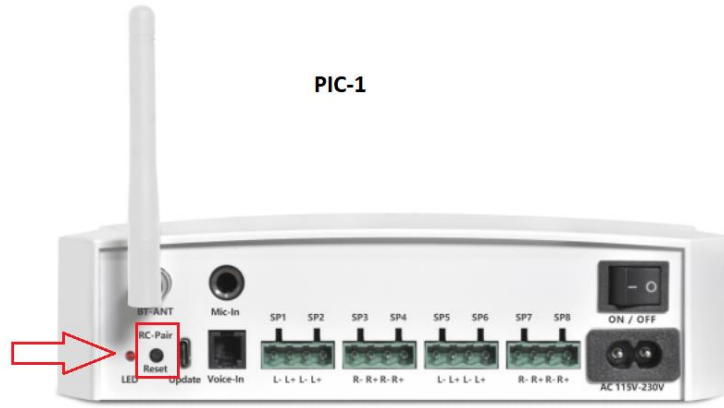
## Two Ways to Pair the Remote Control:

### First way :

- 1- Long press 2 seconds for the RC-Pair button which located in behind the XT-160AMP ( Pic-1 ) ,until you will hear a sound prompt tone saying ( remote ready for pairing ) and the Red LED behind the Amplifier will start Blinking.
- 2- Press ( Power ) button No.1 in the Remote Control ( PIC-2) for 3 sec. you will hear ( remote paired successfully ) and the Red LED behind the Amplifier will STOP Blinking.
- 3- start using the Remote Control.

### Second way to Pair the Remote Control :

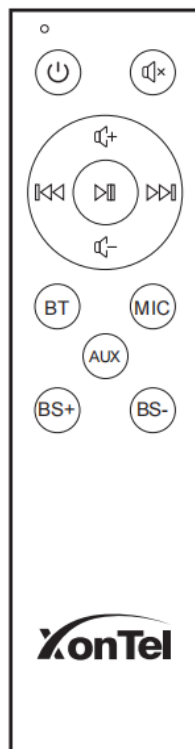
- 1- Power OFF and Power On again the XT-160AMP ( Pic-1 ) ,until you will hear a sound prompt tone saying : ( BlueTooth Ready ).
- 2- Press ( Power ) button No.1 in the Remote Control ( PIC-2) for 3 sec. you will hear ( remote paired successfully ) and the Red LED behind the Amplifier will STOP Blinking.
- 3- start using the Remote Control.















### General Informations about Bluetooth :

- The BT button in the remote control is for ON/OFF the Bluetooth only.
- Bluetooth coverage distance between 10m-15m in an open area.
- XT-160AMP Limited to connect only one Mobile using Bluetooth at the same time .
- If someone is using the Bluetooth and you do not know him, then you can Discharge (Dismissed) him from using the bluetooth by long pressing the BT button turn OFF/ON in the remote control.
- Wireless Bluetooth name is **XT-160AMP**,If the connection between both XT-160AMP and your Mobile disconnected for any reason, the connection will not back automatically and you should reconnect them back again.
- If you do not need anyone to connect to Bluetooth , Press BT button to turn **OFF** Bluetooth in the remote control.

### Remote control Functions:



NO.	Name	Icon	Function
1	Power		1- ON / OFF for the Amplifier. 2- Pair New Remote Control. 3- Press and hold to restore factory Settings.
2	MUTE		1- Mute / Unmute for the Amplifier sound. 2- When long press for 4 sec, The microphone sensitivity will change. You only have two types of sensitivity.
3	VOL+		Volume Up
4	VOL-		Volume down
5	PREV		Previous track
6	NEXT		Next track
7	PLAY/PAUSE		Play/Pause
8	BT		Bluetooth ON/OFF
9	AUX		AUX ON/OFF
10	MIC		1- Microphone ON/OFF 2- Long press Microphone Pair
11	BS+		Prompt tone volume Up
12	BS-		Prompt tone volume down



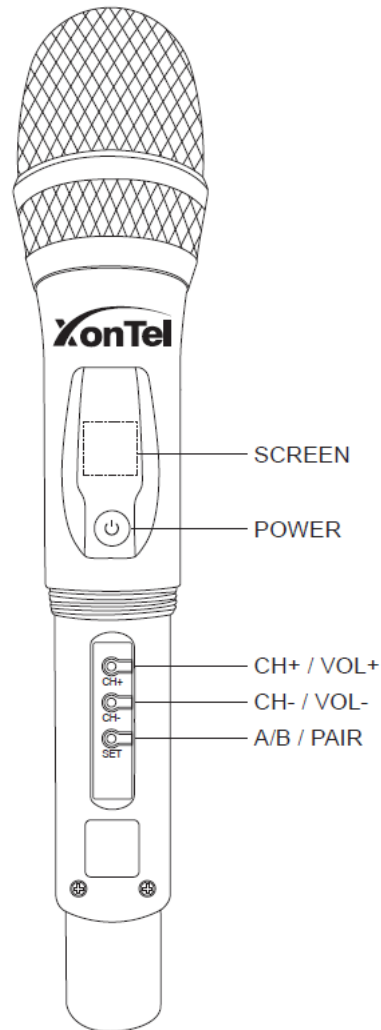
## Reset Amplifier :

Long press the (Power) button for 2 Seconds in the Remote control will restore factory Settings as below :

- 1- Reset device volume to Level 15 (15/32)
- 2- Clear the Bluetooth connection of any connected devices.
- 3- Reset and open BT, AUX, MIC channels (same as BT ON\AUX ON\MIC ON)
- 4- Mic PAIR will not be lost.
- 5- Sound Broadcast the "amplifier reset" prompt tone

## UHF Hand - Mic-02

XT-160AMP Support Max 2 Mic  
A+B Channels



## **lithium battery Support up to 5 hrs Talking time & 30 days if on OFF mode**

- 1- Press 2-3 Second the Power button to turn the Mic ON/OFF .
- 2- Mic screen display : battery status , Working Channel and transmitting status.
- 3- When the display is ON , short pressing the Power key will Mute/Unmute the Mic. transmitting status indicator will go OFF & ON .
- 4- The Mic screen will go to sleep mode in 5 second , only Channel icon will be their the Mic will keep working , short press the Power button will wake up the screen again.
- 5- Hand MIC-02 use 40 frequency points : A: 790MHz ~ 830MHz & B : 900MHz ~ 940MHz , each frequency point move 1MHz in the screen by pressing vol+/vol- button , adjust the channel only when there is interference.
- 6- A total of 10 levels of volume are supported in the UHF microphones , volume level is displayed in the LCD.
- 7- One short press the **SET** key to switch between A/B channels.
- 8- Long press the SET key for 2-3 seconds will take the microphone to the PAIR mode with the Amplifier XT-160AMP.
- 9- Distance between Amplifier and Mic is Not more than 30m.

### **Pairing Steps:**

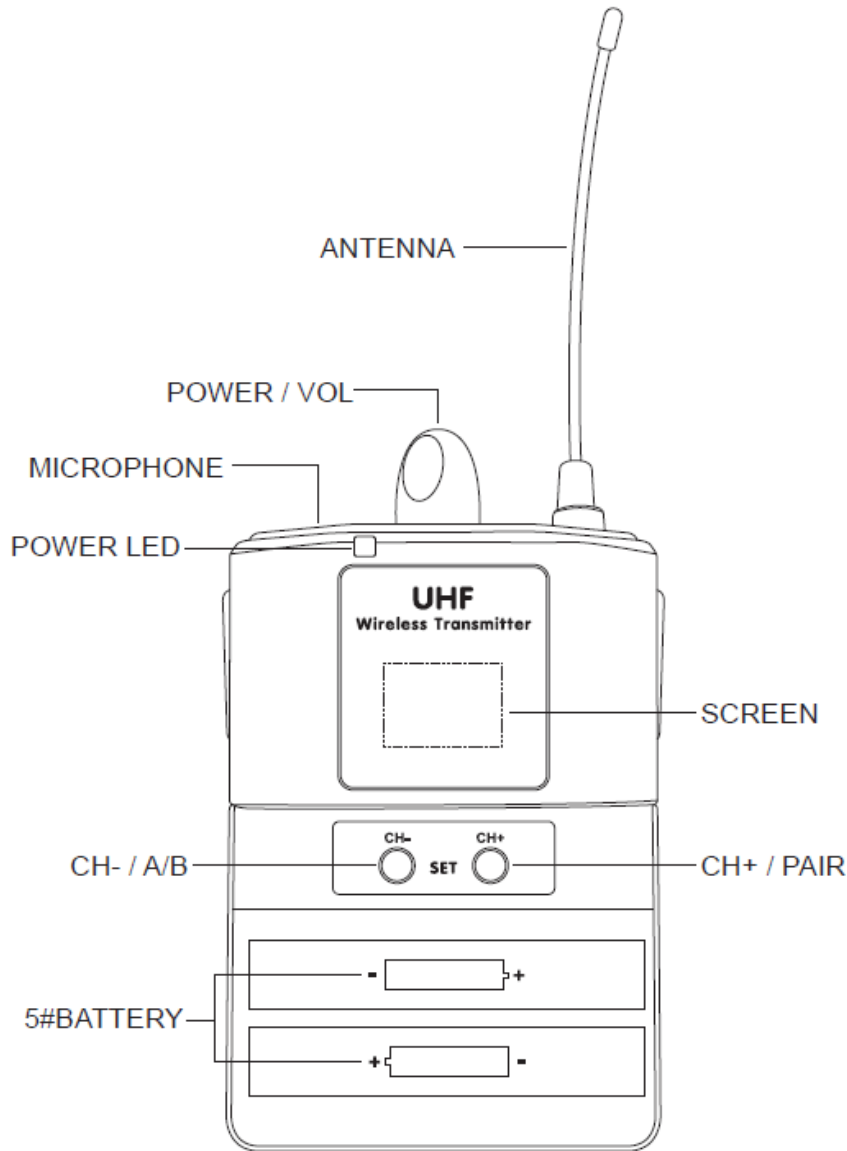
1-When the device is powered on, long press the MIC button in the remote control for 2 seconds, and the Amplifier will play Sound the "**Mic ready for pairing**" prompt tone. The Mic Pairing is limited to Max 1 minute. repeat this step if you did not catch the 1 minute.

2- Long press the microphone SET key 2 seconds for pairing. If the pairing is successful , the Amplifier will play the sound "**Mic paired successfully**". If not, press the microphone SET key and try again.

**3- Repeat Step 2 to PAIR the second Mic. using B or A channels.**

Please complete the above paired operations within 1 minute. If UHF microphone is not paired for more than 1 minute, the device will not announce "mic paired successfully"

## UHF Clip microphone instructions MIC-03

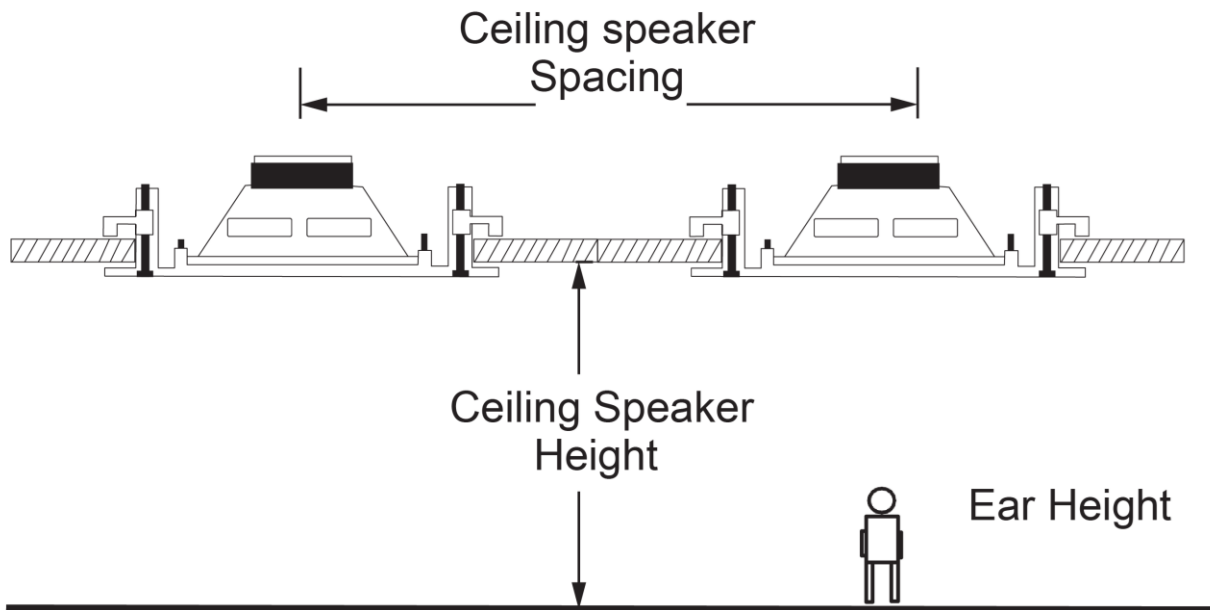


**Note : To avoid howling or strong echo sound between Clip Mic and the Amplifier please Clip Mic must be at least 6m away from the Amplifier when using it.**

- 1- The Microphone pickup is inserted into the Microphone interface.
- 2- Turn the POWER/VOL knob to turn on the UHF microphone and adjust the microphone volume. The POWER LED and display light up.
- 3- UHF microphone display screen displays microphone battery power, working channel.
- 4- If the UHF microphone display screen does not operate within 5 seconds, it will automatically turn off. Moving the sound volume switch/Power will wake up the screen displayed again.
- 5-UHF microphones are set with 40 frequency points, A: 790MHz ~ 830MHz, B: 900MHz ~ 940MHz, each frequency point interval is 1MHz. When the display is on, press CH+/CH- button to adjust the UHF microphone working channel - usually adjust the channel when there is interference.
- 6- A total of 10 levels of volume are set for UHF microphones, rotating VOL adjusts the microphone volume and displays the volume level on the display.
- 7- Hold down the CH- key for 2 seconds to switch the A/B channel of the microphone. The setting takes effect after that the microphone is restarted.
- 8- Hold down the CH+ key for 2 seconds to control the microphone to enter the pairing mode, and then pair the microphone with the XT-160AMP for the pairing mode within 5 seconds.
- 9- Distance between Amplifier and Mic is Not more than 30m.

## The ceiling speaker Optimum installation distance

Application	Ceiling Height(M)	Ceiling Speaker Spacing(M)	Coverage Area (m <sup>2</sup> )
Background Music	$\geq 2.5$	5	25
	2.5~4.5	6	36
	4.5~15	9	81
Broadcast		9~12	



## Important Questions

### **Can I connect ( PAIR ) One Mic into two Amplifiers ?**

Yes you can , Just do the Pair to the two Amplifiers with the Mic at the same time , meaning Press the Mic button for the two amplifiers to get into the Pair Mode both during the first 60sec(1min).then do the Mic PAIR .

### **Some of my remote control buttons not working well?**

Do the Pair step again for the Remote Control .

### **Can I Play Music from my Mobile to Multiple XonTel Amplifiers at the same time?**

Yes you can , but Unfortunately this feature is working only with all Android Mobiles , while Apple Company limited this feature ( Audio Sharing ) for only their headphones and earbuds.

### **Microphone Sound Not good or Distance not more than 4m ?**

Pls make the Mic PAIR step again.

### **I connect My Mobile Bluetooth to the Amplifier , it is working but distance not more than 1m ?**

Change the Amplifier location , seems you have frequency interference affecting the Amplifier Bluetooth.

**USB upgrading firmware steps:**

Put the firmware on the USB flash drive, plug the USB flash drive to USB line, and then connect the XT-160AMP Upgrading port, Prompt tone: "Upgrading firmware, pls wait" will be played, and when it is done, broadcast: Firmware upgrading completed. If fail, will broadcast: Firmware upgrade failed.

**Note : you must use any MP3 file inside same USB Flash along with the FW file**

