



2.4GHZ Wireless Digital Audio Sender



AA-2102

User Manual

Box Contents

1 x Transmitter

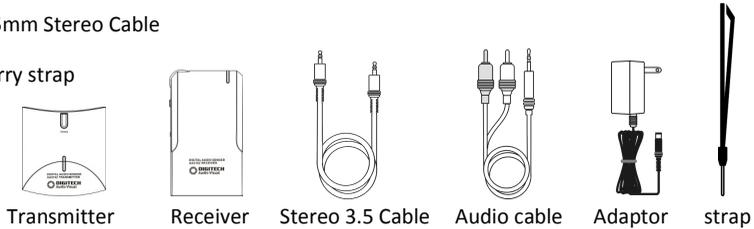
1 x Receiver

2 x AC/DC Adaptor

1 x 3.5 mm to RCA R/L audio cable X1

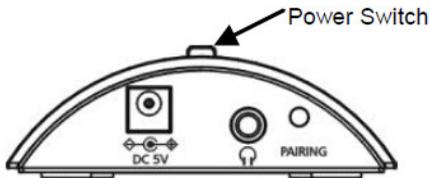
1 x 3.5mm Stereo Cable

1 x Carry strap

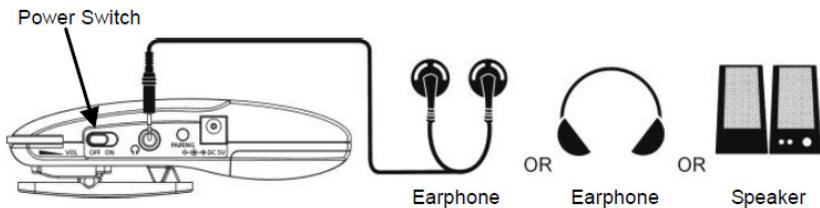


Operating Instructions

Step1: Power on the transmitter (press the power switch on the transmitter)



Step2: Power on the receiver unit via sliding the Power switch.



Step 3: Turn the Volume of the receiver to the lowest value

Step 4: Connect the earphone to the Audio socket on the receiver unit

Step 5: You have finished all the settings , and you can listen to the TV sound . You can adjust the suitable volume for yourself.

ADDING A NEW RECEIVER

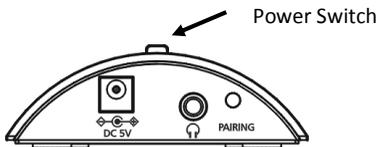
The AA2102 is designed to work with various receiver. It can be configured to work with more than 16 receivers (within the transmission distance).

How to add a new Receiver

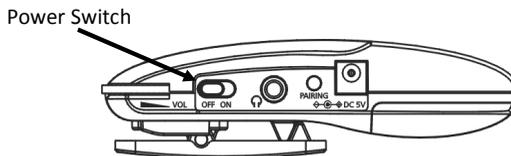
Step1: Power the Transmitter unit, press the power switch.

Step2: Power on the Receiver unit, slide the power switch.

Step3: Press Pairing key on the transmitter for 3 Secs. Transmitter will be under pairing mode, the LED on the transmitter will be blinking.

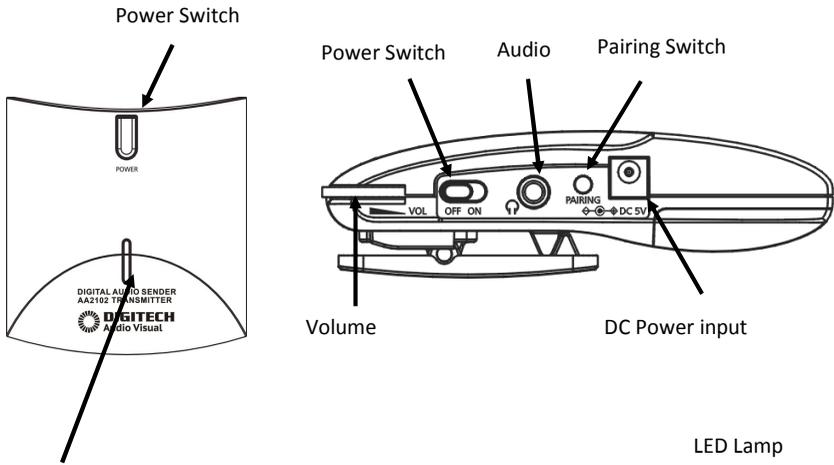


Step 4: Press the pairing key on the receiver for 3 Secs, transmitter and receiver are under pairing mode. The LED on the receiver will be blinking

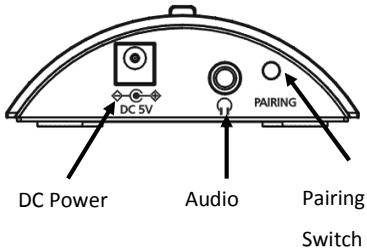


Step5: When the pairing procedure is ok, LED on the transmitter and receiver will be dimmed at the same time, Pairing is OK. It will take 10 seconds to do the pairing.

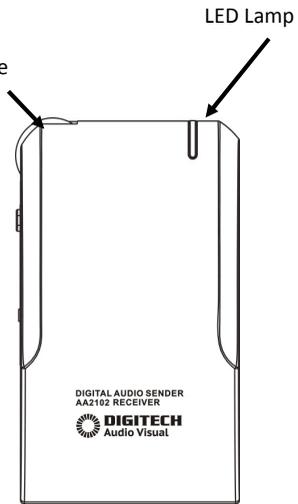
Connection Diagram



LED Lamp



Transmitter



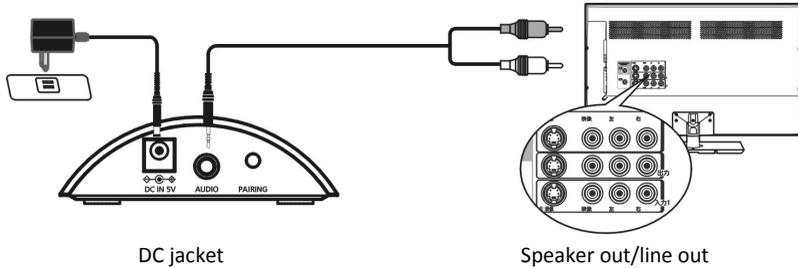
Receiver

Installation Diagram

Application 1: Listen to the TV sound without turning the volume of the TV loudly.

In this scenario, the transmitter unit should be located around the TV set

Tx installation



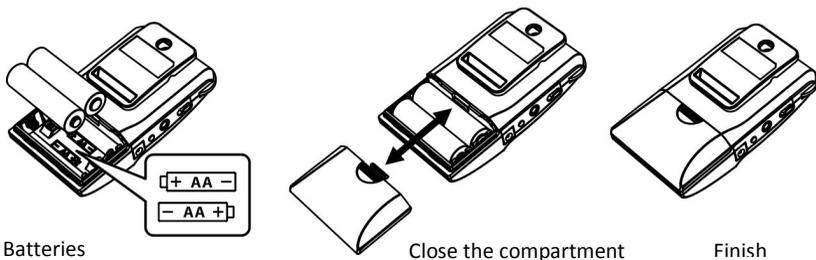
Step1: Take out the main unit

Step2: Take a 3.5mm→Audio RL cable, connect the 3.5mm connector to the 3.5mm socket on the transmitter unit, another RL connector to the “Speaker out” or “line out” of your TV set

Step3: Take out the AC/DC adaptor, plug the barrel end to the DC socket of AA-2102, the AC blade end to your AC outlet. Please note not to overload your AC outlet.

Receiver Installation

Via AA Batteries powering



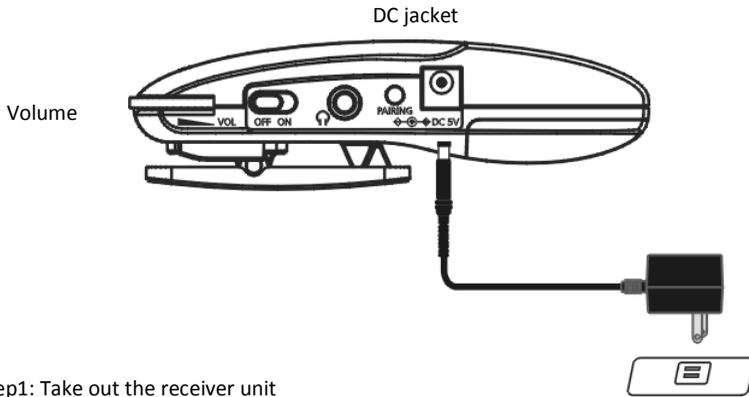
Step1: Take out the receiver unit

Step2: open the batteries compartment

Step3: Install 2 new AA batteries as figure shown (please make sure of the polarity)

Step4: Close the Batteries compartment

Via AC/DC Adaptor



Step1: Take out the receiver unit

Step2: Take out the AC/DC adaptor included

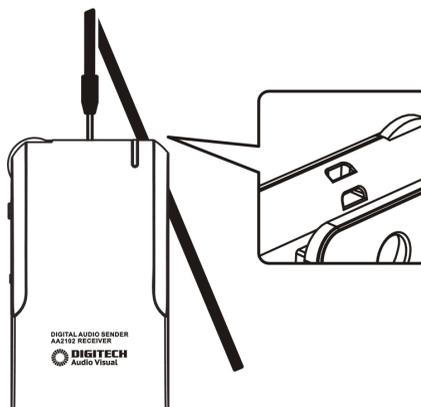
Step3: Connect the DC barrel end to the DC socket of the receiver

Step4: Connect the AC blade end to your AC outlet, **please note not to overload your AC outlet.**

Note: When you using the AC/DC Adaptor, the power from the batteries is cut.

Strap for hanging

Please take the strap and fasten it on the receiver unit as shown in the illustration below.



Frequently Asked Questions

No audio output

1. Check the power of the transmitter and receiver.
2. Check the audio connection on the transmitter and receiver.
3. Check the LED light on the transmitter, if there is audio present, the LED will illuminate, if it is blinking there is no audio presented in the transmitter.

There is some noise

1. Check the transmitter and receiver are in the range of specification
2. Check if there are obstacles in the transmission range, such as microwave oven. etc.
3. Press the pairing key once to check if there is interference again.

Safety Notice

INDOOR USE ONLY.

THIS DEVICE HAS A WIRELESS RF SIGNAL RECEPTION,CONSULT YOUR DOCTOR IF YOU WEAR PACEMAKER.

IF YOU GO OUT FOR MORE THAN 2 WEEKS, PLEASE TAKE THE BATTERIES OUT FROM YOUR RECEIVER UNIT.

CLEAN WITH DRY AND SOFT CLOTH.

DO NOT OPEN THE UNIT WHEN CLEANING.

DO NOT USE THIS UNIT IN A HOT AND DAMP PLACE.

Specifications

Model NO.	Transmitter	RECEIVER
Description	Transmitter	Receiver
Operating temperature	0 ~ +60 (degrees Celsius)	0 ~ +60 (degrees Celsius)
Frequency range	2406 ~ 2472 MHz	2406 ~ 2472 MHz
Modulation	GFSK	
Channels	34	
TX Power	15 dBm (Max)	
Input impedance	>10K Ohm (3.5mm)	
Input level	2Vp-p (Max)	
RX Sensitivity		-78 dBm (Min.)
Output impedance		16 Ohm (Nominal)
Output level		2Vp-p (Max)
Transmit Distance Between Tx & Rx	100ft (Min, LOS)	
Response (station)	20 ~ 20 KHz, ± 3 dB	
Crosstalk	-70dB (Min)	
S/N ratio (station)	70dB (Min)	
THD + N	5% (Max)	
Power supply	AC 90~240V@50/60Hz/DC 5V, 1000mA PLUG: 5.5mmx2.1mmx11mm Polarity: Outside Jack(-) Inside Jack(+)	

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