

## Service Manual: JW120NTX

### **Circuit Description**

A stereo audio signal from an external source is applied. The stereo audio is then fed into a network of filters to suppress any unwanted signals. The audio signal is then multiplexed with a standard 19KHz pilot carrier. The output is then fed into the 900MHz VCO where it is then transmitted.

### **Operating Elements**

1. Charging Output Jack

Using this socket with the charging cable, you can recharge the batteries of the headphones without having to remove them from the battery pack compartment.

2. Power Supply Jack

Allows to connect the external AC.DC 12V adapter.

3. Audio level control

Allows to select the volume of the audio input going through the transmitter.

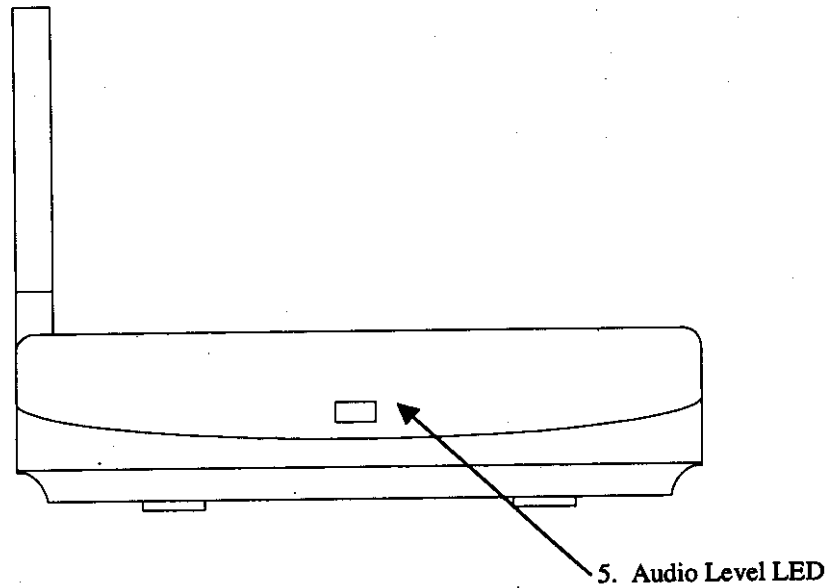
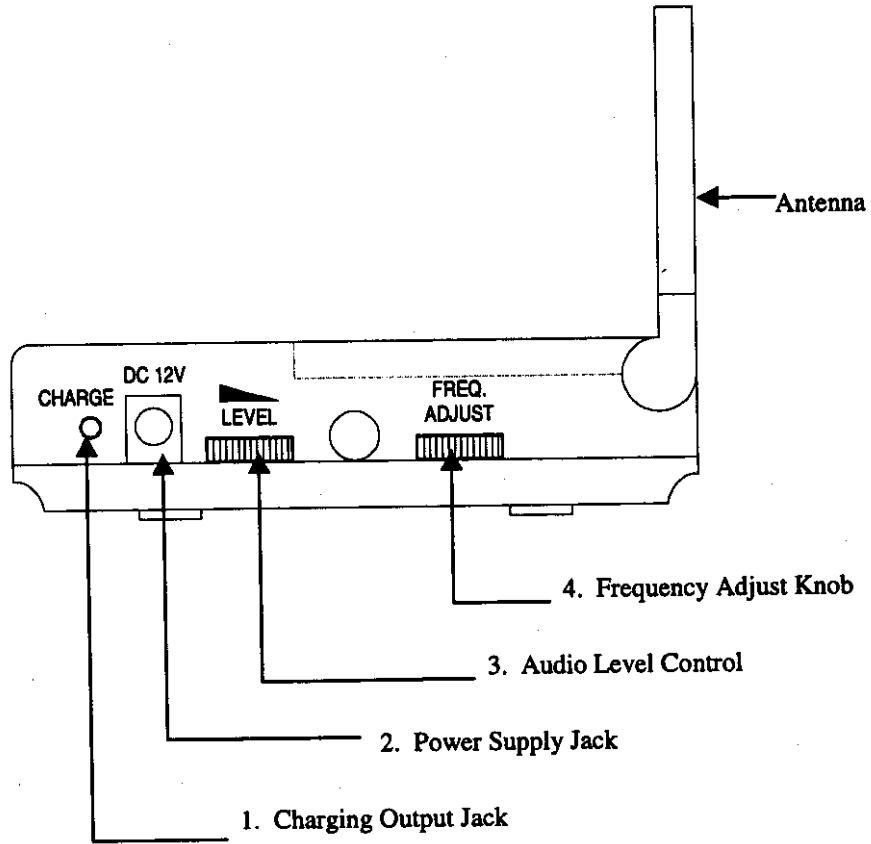
4. Frequency adjust knob

Allows to select the transmitting frequency in order to avoid any sound perturbation, but also in order to adapt your transmitter frequency to any receiver

5. Audio level LED

It blinks if the audio level of the transmitter is adjusted to reference level.

Service Manual: JW120NTX



## Service Manual: JW120NTX

### Transmitter Installation

#### 1. AC/DC adapter

Connect the DC plug from the AC/DC adapter to the low voltage socket located on the back of the transmitter, then the AC/DC adapter to any electrical wall outlet.

#### 2. Connection to the audio source

Connect the audio cable to your audio source (TV, Laser Disc Player, CD player, Audio amplifier, etc.).

### Operating Instruction

1. Lift up the antenna settled at the side.
2. Turn on the audio source to which the transmitter is connected.
3. Adjust the transmitting frequency by using frequency adjust knob.
4. Adjust the audio level control until the module level LED starts to blink.

### Asserting Audio Level

Depending on your audio source output level, audio level of the transmitter may have to alter so as to avoid distortion or too low audio level.

- a. If distortion sound is heard from the receiver, lower the audio level until undistorted sound is resulted in the receiver.
- b. If too low sound is heard from the receiver, raise the audio level.
- c. If your audio source is a variable output, always set the audio level of transmitter back to middle level and then adjust the volume of your audio source until the audio level LED blinks.