



## **78288 HEARING PROTECTOR WITH DIGITAL FM RADIO/Bluetooth music**

Model 78288 is an ideal Hearing Protector built with a digital FM stereo radio and Bluetooth stereo music. The noise-cancellation radio/music sound is fascinating in noisy environments.

It is specifically designed to protect your hearing when working under noisy conditions and create a suitable working atmosphere by listening to the radio/music undisturbed.

### **COMPONENTS:**

1. Antenna with superb reception sensitivity
2. Wide headband with soft padding
3. Adjustable steel headband wire with elasticity
4. Height adjustment guide arm
5. Soft foam ear cushion
6. Mode button
7. Up/Down seek/scan turning button
8. FM/BT switch button
9. On/off & volume control knob



### **INSTRUCTIONS FOR USE:**

1. Open the battery cover. Insert the three 1.5V AAA batteries.  
Make sure that the + and – poles are in the correct position.
2. Slide out the shells and place the headset over your ears with the head band upwards and push the shells evenly upwards until the headband lies on your head. Please make sure that the ear cushions cover the outer ear completely and have a tight fit
3. The headband should only rest gently onto the head, ensure that there is effective noise protection.
4. If replacing the cushions, by pulling it out from the inside to take off the cushions and then fit new cushions to the rim of the shells.  
The ear cushion (part No.78288-1) and Cup padding (part No. 78288-3) can be replaced for ear muff 78288.
6. Switch on/off knob on and at FM radio(default),press Up/Down seek/scan turning button 3 seconds. It search and store all channel available. After it is completed, the flashing light turns stable.
7. To switch between saved channels, press Up/Down seek/scan turning button briefly.
8. The channel can be searched manually. Turn Up/Down seek/scan turning button clockwise, the channel frequency forward 0.1 MHz, turn button anticlockwise, the channel frequency backward 0.1 MHz . To save a channel, press and hold the Mode button for short time. To cancel a channel, press and hold the Mode

button for 3 seconds.

9. Press FM/BT switch button, connect this device with other equipment (mobile phone, MP3, etc.)

When “ZH-1519” shows on other equipment (mobile phone, MP3, etc.), touch it to get connection. When flashing light stable, they are connected. The music in mobile phone and MP3, etc. can be played on this device. Turn Up/Down seek/scan turning button clockwise, play next one, turn button anticlockwise, play the one before.

## **RECOMMENDATIONS:**

1. The hearing protector must be put on, adjusted, cleaned and maintained in accordance with the manufacturer’s instructions.
2. The hearing protector should be worn at all time in noisy surroundings for full protection.
3. The ear muffs are regularly inspected for serviceability
4. The ear muffs may be adversely affected by certain chemical substance. Contact the manufacture for further information
5. The fitting of hygiene covers to the cushions may affect the acoustic performance of the hearing protector.
6. Incorrectly installed batteries can damage the circuitry. Never replace batteries with the unit switched on. Ensure that the battery is positioned correctly before using.
7. This hearing protector is provided with electrical audio input. Wearer should check correct operation before use. If distortion or failure is detected, the wearer should refer to the manufacturer’s device.
8. This hearing protector provides an entertainment audio facility, the audibility of warning signals at a specific workplace maybe impaired while using the entertainment facility.

## **Warnings:**

If users do not follow these recommendations, attenuation and other functions will be severely impaired  
The output of the electrical audio circuit of this hearing protector may exceed the daily limit sound level.  
Medium size range ear-muffs with fit the majority of wearers

## **DISINFECTION/CLEANING:**

Clean the outside of the unit regularly by using a slightly damp cloth and warm soapy water. Let the ear muffs dry before reusing them. Do not use brushes or other material otherwise the noise absorption inserts or ear cushion could be damaged. Never immerse ear muffs in water.

Use only detergents that are innocuous for the user.

Use 75% Medicinal alcohol disinfects the ear muff.

## **MAINTENANCE:**

The hearing protector radio, and particularly the ear cushions, can degenerate over time and may deteriorate with regular use and should be examined at frequent intervals for cracking and leakage, for example.

The headband could not be bent or unnecessarily adjusted since the tension force is an important element to maintain the insulating properties.

## **STORAGE:**

Store the unit before and after each use inside its packaging box to keep it free from dust and dirt

## **TECHNICAL DATA**

The attenuation values are tested and approved according to PPE directive 89/686/EEC and applicable sections of European Standard EN352-1:2002/EN352-6:2002/EN352-8:2008.

The earphone volume is measured at no more than 82dB (A) equivalent noise according to the PPE directive.

The electronic circuit of the entertainment audio ear-muff meets the electrical safety and EMC requirement appropriate to this class of equipment

### **Attenuation values:**

Frequency (Hz)	125	250	500	1000	2000	4000	8000
Mean Attenuation(dB)	20.9	22.0	28.3	31.4	36.2	42.6	37.7
Standard Deviation(dB)	3.4	2.5	2.9	2.0	2.5	3.6	4.6
APV (dB)	17.5	19.5	25.4	29.4	33.7	39.0	33.1

**H=34**

**M=28**

**L=22**

**SNR=31**

**Weight: 340g**

<b>A-weighted diffuse-field related sound pressure level</b>		
	FM	Bluetooth
Mean(dBA)	72.1	67.2
Standard Deviation(dBA)	2.0	2.7
Mean + sta dev	74.1	69.9

### **Warning:**

changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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.

With regard to any question or comment on the use of hearing protector, please consult Hangzhou Yudu Hardware Co.,Ltd.,Wuchang,Yuhang, Hangzhou, China