Wire-to-Air

AWS8212, AWS821T, AWS822R,
AM8212, AM821T, AM822R

User Manual

www.audiomate.com.au

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Product Description

The Audiomate Two-Way Wireless Audio Adapter with Microphone (AM8212) allows audio entertainment and computer conversations wirelessly. This enables the freedom to move without the limitations of a cord, whilst still receiving high fidelity, stereo sound for up to 30 metres. Perfect for in-home use with PC/NB/tablet using an USB port, simply plug the transmitter into your PC and sync it to the receiver, connect your earphones or headphones and enjoy wireless audio with crystal-clear digital sound quality.

Product Features

- 2.4GHz digital FHSS technology for advanced interference resistance and smooth audio streaming
- Super high S/N and 20~20kHz full range Hi-Fi stereo sound quality
- Extremely simple plug-and-play design; no installation required
- Compatible with any earphones and active speakers
- 360° Omnidirectional transmission and reception for free roaming of up to a 30 metre radius
- Compact, slim, stylish design for comfortable use and portability
- 2-Way allows dual uses for headphones or headset - sound and voice.
- Auto channel tracking
- Built-in Li-ion rechargeable battery and charger for receiver
- Built-in omnidirectional microphone in receiver
- Compatible with Windows and Mac OS

Inside the Box

- 1 x AM821T transmitter
- 1 x AM822R two-way portable audio receiver
- 1 x Male USB to mini USB cable
- 1 x User Manual

Safety

Always observe safety precautions!
The following safety precautions provide important information intended to prevent personal injury to the user and others, and damage to property.

IMPORTANT!

- Never try to disassemble, repair or modify the unit!
- Use only the supplied AC adapter that comes with the unit. Use of another adapter can cause the battery to overheat, combust or explode.

Battery Precautions

Mishandling of the battery pack creates the risk of fluid leakage, overheating, explosion and combustion creating the risk of fire and personal injury.
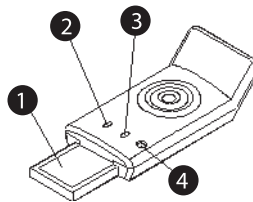
- Never short the positive (+) and negative (-) terminals of a battery
- Use only the prescribed method to charge batteries; never try to use any other charging method
- Never throw batteries into the fire or subject them to heat
- Never pierce batteries or subject them to shock
- Never try to disassemble or modify batteries
- Do not subject the exterior pack to strong impact - this can cause serious damage
- Do not wipe metal parts with a wet cloth
- Do not allow batteries to become wet; never touch them with wet hands
- Use only the specified battery pack; never try to use any other type of battery pack
- If a battery is leaking, do not touch the liquid with your hands
- Battery fluid getting into your eyes could cause a loss of vision. Never rub your eyes. If you get fluid in your eyes, immediately flush eyes thoroughly with water and consult your doctor immediately! Should battery fluid get onto your skin or clothing, immediately rinse the affected area with clear water!
- Never transport or store batteries together with necklaces, hair pins or other metal objects
- Never charge, use or leave batteries in area subjected to high heat, such as next to a heat source, under direct sunlight etc.

Applications

1. Listen to music from any multimedia player with USB port
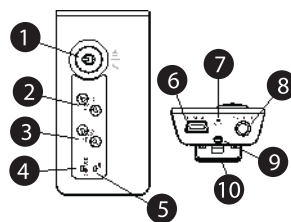2. Talk and listen on Skype/MSN/QQ/Yahoo! etc. wirelessly with your own earphones

Transmitter

1. USB audio in
2. Link status indicator
3. Power LED
4. Pairing button

Receiver

1. Power On/Off Button
2. Music Play/Pause
   Pick Up/Hang Up call
3. Music Select key
4. Charge status indicator
5. Link status indicator
6. Mini USB charge connector
7. Microphone
8. Earphone connector
9. Strap hole
10. Clothespin

Set-Up

Set-Up for Transmitter

Insert into USB connection of PC/notebook/tablet

Plug transmitter directly into your computer USB connector (Fig. A).

Note: Make sure your computer is set correctly to send sound output to the USB port.

If the headphones do not have sound you must:

PC - Go to Start Menu - Control Panel - Sounds and Audio Devices - Audio (sound playback, default device) - Advanced - Choose either Stereo Headphones or Desktop Stereo Speakers

Apple - Go to System Preferences/Audio and select USB phones.

Fig. A

Set-Up for Receiver

A. Connecting Earphones/Headset
Plug earphones/headset (Fig. A) into receiver (Fig. B)

B. Connecting a Hi-Fi Stereo
Plug the RCA connectors or Ø3.5mm male connector into audio input (such as AUX In, Audio In, Line In etc.) of your hi-fi stereo (Fig. C) and the other side with Ø3.5mm female connector into the receiver as shown in Fig. B.

C. Connecting with any Active Speaker
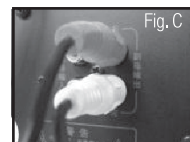Plug any amplified PC speakers (Fig. D) into the receiver (Fig B).

Fig. A

Fig. B

Fig. C

Fig. D

Operation

Play Music
1. Turn on your audio source.
2. Press and hold receiver **Power** key for two seconds until you hear the music, being sent via the transmitter, in your earphones.

Volume Adjust
Press **Volume** ▲▼ key to adjust level of volume.

Music Selection
Press **Select** ▲▼ key to select next/previous music track

Using Skype
1. Make sure the Skype setting items **Enable Keyboard Shortcuts - Answer Call** and **Hang Up** are checked, and that **Answer incoming calls automatically** is disabled before talking.
2. While listening to music, if a call comes in, you can press the **Power** button twice to pick it up - the music will pause automatically at the same time.
3. When your call is finished, press the **Power** button twice to hang up the phone.
4. After the phone call is disconnected, the music will resume playing again.

Note: Ensure that the Skype software is upgraded to version 4.2 or newer.

Battery Recharge

The AM8212 Audiomate receiver has a built-in rechargeable battery. When the receiver battery is low, a beep will repeat approximately every 30 seconds. This is a warning to let you know that the battery is low.

Recharge the battery by connecting the receiver to a computer with the provided male USB to mini USB cable. Alternatively, you can connect a 5V USB charger to recharge the receiver (charger not supplied). Once the unit is fully charged, the Charge status indicator will no longer be lit.

Transmitter and Receiver Pairing

Pairing is the matching of encryption codes. Each set is properly paired at the factory, so that you will probably never have to do it. However, if the receiver fails to receive on any channel, try this pairing function:

1. Using a pen, press and hold the pairing button on the transmitter for about five seconds. The Link status LED indicator on the transmitter will begin to flash fast and the transmitter will remain in pairing mode for the next 15 seconds.
2. Within the 15 seconds, turn the receiver On and paring will complete automatically. At the same time, if the headphones are connected you can hear a beeping to indicate paring beginning and completion.
3. If both the transmitter and receiver LED still flash and you don't hear the audio, repeat steps 1 and 2.

Note:
• If the receiver LED lights up again but you do not hear the audio, repeat steps 1 and 2.

Troubleshooting

No Audio
- Make sure that the power On/Off switch on the receiver are on.
- Verify that all connections are correct.
- Check if the receiver batteries need to be charged.
- Try pairing the transmitter with the receiver.
- Verify that your audio source (TV, computer, Mp3 player etc.) is producing sound.
- Audio level into the transmitter may be low, try turning the volume up on the device or change to another audio source.
- Verify that your computer is configured to give USB audio output.

Audio is Distorted
- Adjust audio output level of PC
- Check if USB connector (transmitter) and 3.5mm audio plug (receiver) are connected correctly.

Audio is noisy, drops out intermittently or crackles
- Adjust audio output level of audio source (TV, computer etc.)
- Make sure the USB port of the transmitter is connected correctly.
- Check if the audio source is noisy.
- Make sure the distance between transmitter and receiver does not exceed a 30 metre line-of-sight. If this is more than 30 metres, reduce the distance.
- Ensure their are no large metal obstructions in the transmission path between transmitter and receiver, including ceiling floors, beams, stairs, office partitions, metal cabinets, metal desks etc. Try to avoid any obstruction in line-of-sight. If this is not possible, then reduce the distance between transmitter and receiver.

Cannot pick up Skype call
- Verify that the Skype software settings are all correct.

FCC Notices

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.

CAUTION: Change or modification not expressly approved by the party responsible for compliance could void the user's authority to operate this 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.

CAUTION:
Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the equipment.

RF exposure warning:
The equipment complies with FCC RF exposure limits set forth for an uncontrolled environment. The equipment must not be co-located or operating in conjunction with any other antenna or transmitter.

Specifications

Supply Voltage	5V DC (RX charger and TX)
Current Consumption	TX: 90mA RX: 90mA
Modulation	FHSS/GFSK
Channel Group Selection	Auto
Channel Frequency	2400 ~ 2483.5 MHz
Channel Group Number	4
TX Digital Audio Input	USB
TX Analogue Audio Output	3.5mm stereo phone plug
TX and RX Battery Type	Built-in Li-ion battery
Audio Frequency Bandwidth	20 ~ 20KHz, -3dB
S/N Ratio	80 dB (min.)
THD	0.7% (max.)
Dimension	TX: 49 x 19 x 12mm RX: 60 x 33 x 20mm
Weight	TX: 20 RX: 25g

audiomate

Model: AM8212
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