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› ASHATA /

› ASHATA 500mW FM Transmitter with LCD Screen (Model ASHATAim8udo3s0x) Instruction Manual

ASHATA ASHATAim8udo3s0x

ASHATA 500mW FM Transmitter with LCD Screen

Model: ASHATAim8udo3s0x - Instruction Manual

1. INTRODUCTION

This manual provides instructions for the ASHATA 500mW FM Transmitter, Model ASHATAim8udo3s0x. This device functions as a compact FM radio station, converting audio input into an FM high-frequency signal for transmission via an antenna. The signal can then be received by any standard FM radio receiver in the surrounding area.

Key features include an adjustable frequency range of 76-108MHz, a clear LCD display, and a USB Type-C power input. The transmitter is designed for ease of use and reliable performance.

2. WHAT'S IN THE BOX

Verify that all items are present in the package:

- 1 x ASHATA 500mW FM Transmitter
- 1 x SMA Antenna
- 1 x 3.5mm Audio Cable (male to male)
- 1 x USB Type-C Power Cable

**Output Frequency
Adjustable frequency
Operating range 76-108MHz, 1MHz or 0.1MHz step, total 320 transmitting frequencies
With memory function**

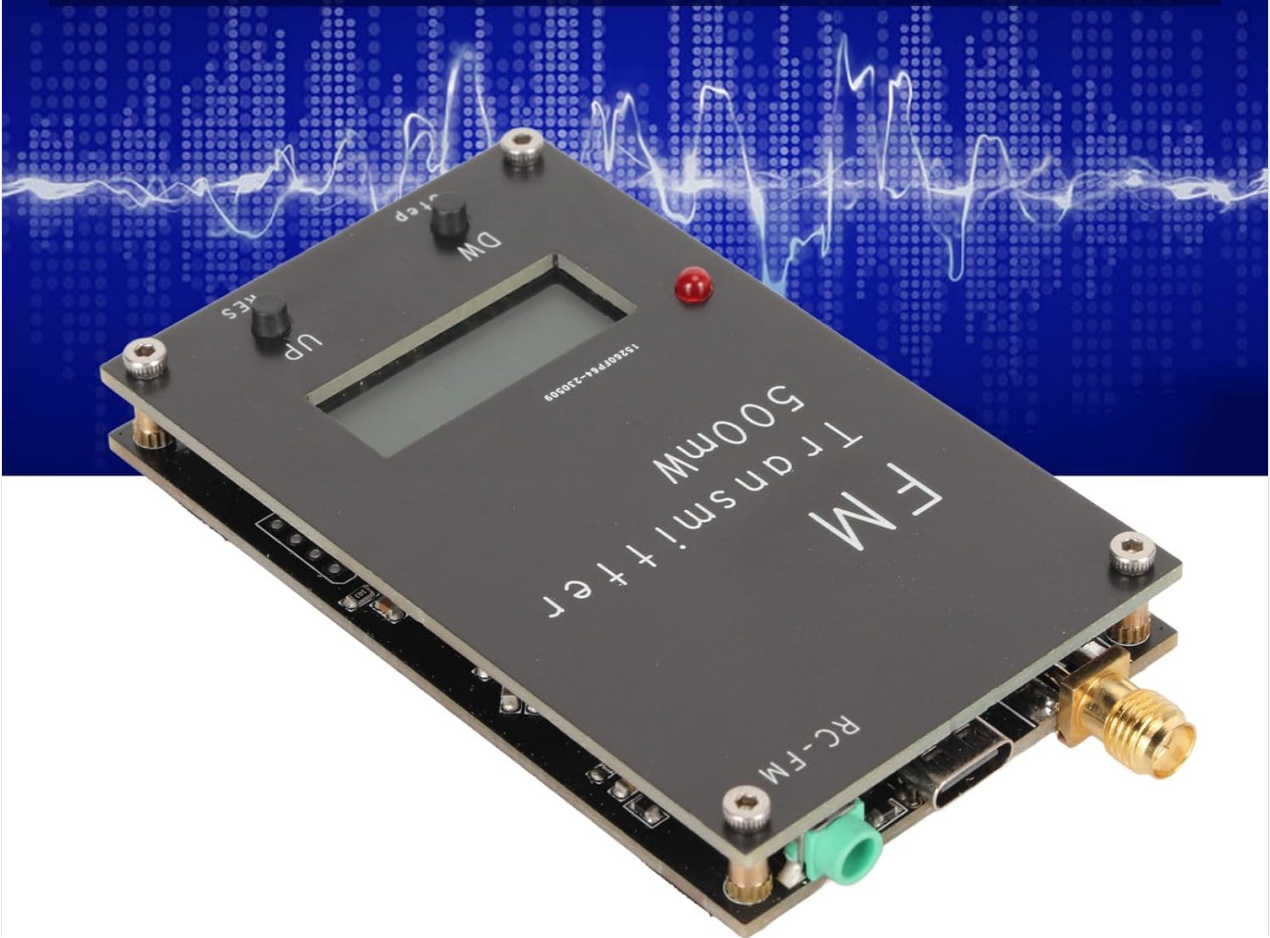


Image: The ASHATA 500mW FM Transmitter shown with its accompanying SMA antenna, 3.5mm audio cable, and USB Type-C power cable.

3. PRODUCT FEATURES

- **Output Frequency:** Adjustable working range of 76-108MHz. Frequency steps can be set to 1MHz or 0.1MHz, providing 320 total transmitting frequencies. Includes a memory function to retain settings.
- **LCD Display:** Features a clear LCD screen that displays the current operating frequency.
- **Power Supply:** Operates on a 5V DC power supply via a USB Type-C interface. Current consumption is approximately 500mA.
- **Audio Input:** Standard 3.5mm stereo sound input connector.
- **Transmission Range:** Capable of transmitting up to 2000 meters (approximately 2 kilometers) in open field conditions.

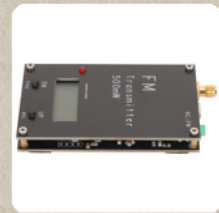


Image: The FM Transmitter with an overlay indicating its adjustable frequency, operating range, step size, and memory function.

4. SETUP

1. **Connect Antenna:** Screw the provided SMA antenna securely into the antenna port on the transmitter. Ensure a firm connection for optimal signal transmission.
2. **Connect Audio Source:** Use the 3.5mm audio cable to connect your audio source (e.g., smartphone, MP3 player, computer) to the 3.5mm audio input jack on the transmitter. **Note:** The transmitter cannot directly accept microphone input. If using a microphone, it must be connected through an external microphone amplifier before connecting to the transmitter.
3. **Connect Power:** Connect the USB Type-C power cable to the USB Type-C port on the transmitter and then to a 5V DC power source (e.g., a USB wall adapter, power bank, or computer USB port). The device will power on automatically.

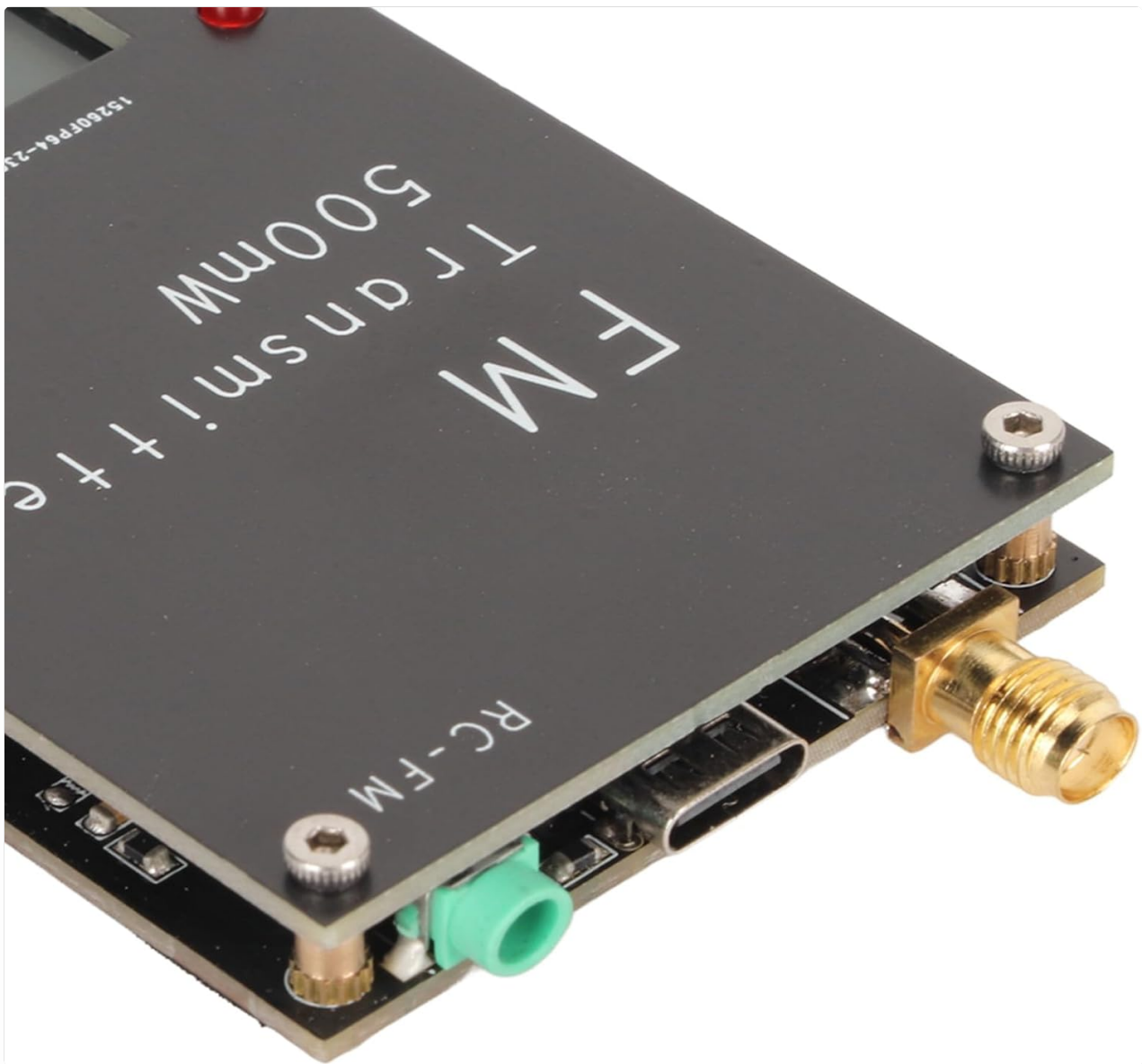


Image: Detailed view of the transmitter's connection ports, including the antenna, USB-C power, and audio input.

5. OPERATING INSTRUCTIONS

1. **Power On:** Once connected to a 5V USB Type-C power source, the transmitter will power on, and the LCD screen will display the current operating frequency.
2. **Adjust Frequency:**
 - Use the **"UP"** button to increase the frequency.
 - Use the **"DW"** (Down) button to decrease the frequency.
 - The **"RES"** button (often labeled as "Step" or "Reset") may be used to change the frequency step size (1MHz or 0.1MHz) or to reset settings. Refer to the on-screen display for confirmation of step size.
3. **Set Audio Source Volume:** Ensure the volume on your connected audio source is set to an appropriate level. Too low a volume may result in a weak signal, while too high a volume may cause distortion.
4. **Tune Receiver:** On your ordinary FM radio receiver, tune to the exact frequency displayed on the transmitter's LCD screen.

5. **Verify Reception:** Once your receiver is tuned to the correct frequency, you should hear the audio from your connected source. Adjust the transmitter's frequency or the receiver's position if reception is unclear.



Image: The control buttons (UP, DW, RES) and LCD screen on the ASHATA FM Transmitter.

6. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the transmitter. Avoid using liquid cleaners or solvents, as these can damage the device.
- **Storage:** Store the transmitter in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handling:** Handle the device with care to prevent physical damage. Avoid dropping or subjecting it to strong impacts.
- **Antenna Care:** Ensure the antenna is not bent or damaged, as this can affect transmission quality.

7. TROUBLESHOOTING

- **No Power/Display:**
 - Ensure the USB Type-C power cable is securely connected to both the transmitter and a functional 5V power source.
 - Try a different USB cable or power adapter.
- **No Audio/Weak Signal:**
 - Verify that the 3.5mm audio cable is firmly connected to both the transmitter and the audio source.
 - Check the volume level on your audio source; increase it if it's too low.
 - Ensure your FM radio receiver is tuned to the exact frequency displayed on the transmitter.
 - Check the antenna connection on the transmitter.
 - Move the transmitter and receiver closer together, or adjust their positions to minimize interference.
- **Distorted Audio:**
 - Reduce the volume level on your audio source.
 - Ensure the transmitter and receiver are not too close, which can cause signal overload.
 - Check for strong local radio stations on the same or adjacent frequencies and try a different frequency for the transmitter.
- **Limited Range:**
 - Ensure the antenna is fully extended and positioned vertically.
 - Obstacles like walls, buildings, and dense foliage can significantly reduce transmission range. Try to operate in a more open environment.
 - Ensure the transmitter is not placed near other electronic devices that may cause interference.

8. SPECIFICATIONS

Feature	Specification
Model Number	ASHATAim8udo3s0x
Output Power	10-500mW (0.01-0.5W)
Frequency Range	76-108MHz
Frequency Step	1MHz or 0.1MHz
Power Supply	5V DC (USB Type-C)
Supply Current	500mA
Audio Input	Stereo Sound, 3.5mm Connector
SNR (Signal-to-Noise Ratio)	63dB 0.05%THD
Item Weight	3.52 ounces
Package Dimensions	5.24 x 3.35 x 1.46 inches

9. WARRANTY AND SUPPORT

For product support, troubleshooting assistance, or warranty inquiries, please visit the official ASHATA store on Amazon or contact the seller directly through your Amazon order history.

ASHATA Store Link: <https://www.amazon.com/stores/ASHATA/page/07B17FA8-992A-44A0-8F2E-B6A29E3207A3>