Diyeeni Diyeenifk6duhizy9

Diyeeni Digital FM Stereo Transmitter Module

Model: Diyeenifk6duhizy9

1. INTRODUCTION

This manual provides comprehensive instructions for the Diyeeni Digital FM Stereo Transmitter Module, model Diyeenifk6duhizy9. It covers essential information regarding product setup, operation, technical specifications, and troubleshooting to ensure optimal performance and safe use of your device.

Safety Information

- Do not plug the transmitter directly into a microphone. If a microphone amplifier is used, the amplified microphone can be fed into the transmitter.
- Be aware of potential interference with other wireless devices.
- Always follow local regulations regarding FM transmission frequencies and power levels.

2. PACKAGE CONTENTS

Please verify that all items are present in your package:

- 1 x Diyeeni FM Transmitter Module
- 1 x Antenna (typically included)
- 1 x USB Type-C Power Cable (typically included)

3. PRODUCT OVERVIEW

The Diyeeni Digital FM Stereo Transmitter Module is designed for broadcasting stereo audio over FM frequencies. It features a robust aluminum alloy construction, an LCD screen for frequency display, and intuitive control buttons.

Figure 3.1: Front view of the Diyeeni FM Transmitter Module.

Key Components:

- **LCD Display:** Shows current frequency and power settings.
- **DW (Down) Button:** Decreases frequency or navigates settings.
- **UP (Up) Button:** Increases frequency or navigates settings.
- **3.5mm Audio Input:** Standard stereo audio input connector.
- **USB Type-C Port:** For 5V DC power supply.
- **Antenna Connector:** For connecting the external FM antenna.

Figure 3.2: Close-up view of the 3.5mm audio input and USB-C power port.

4. SETUP

Follow these steps to set up your FM transmitter:

1. **Connect the Antenna:** Securely attach the provided antenna to the antenna connector on the module.
2. **Connect Audio Source:** Plug your stereo audio source (e.g., MP3 player, computer) into the 3.5mm

audio input jack using a standard 3.5mm audio cable.

3. **Connect Power:** Connect the USB Type-C power cable to the module's USB-C port and plug the other end into a 5V DC power source (e.g., USB wall adapter, power bank). The device will power on automatically.

5. OPERATING INSTRUCTIONS

This section details how to operate your FM transmitter.

Figure 5.1: The transmitter displaying output frequency information. Note: The operating range is 88-108MHz as per specifications, though some images may indicate 76-108MHz.

5.1 Power On/Off

The transmitter powers on automatically when a 5V USB Type-C power source is connected. To power off, disconnect the USB-C power cable.

5.2 Frequency Adjustment

Use the **DW** (Down) and **UP** buttons to adjust the transmission frequency. The current frequency will be displayed on the LCD screen.

Figure 5.2: LCD screen displaying the current transmission frequency (e.g., 96.6 MHz).

- **Fine Tuning (0.1MHz steps):** When the small LED indicator is off, pressing DW or UP adjusts the frequency by 0.1MHz.
- **Coarse Tuning (1MHz steps):** When the small LED indicator is lit, pressing DW or UP adjusts the frequency by 1MHz.
- **Toggle Tuning Step:** To switch between fine and coarse tuning, press and hold the **DW** button for approximately 3 seconds.

5.3 Transmit Power Adjustment

You can adjust the output power of the transmitter:

- Press and hold the **UP** button for approximately 3 seconds. The LCD will display a power level, such as "P01" (lowest power) up to "P10" (highest power).
- Use the **DW** and **UP** buttons to select your desired power level.
- After a few seconds of no button presses, the selected power setting will be saved, and the display will revert to showing the current frequency.

Figure 5.3: Close-up view of the DW and UP control buttons.

5.4 Audio Input

Ensure your audio source is providing a stereo signal through the 3.5mm connector. The transmitter is designed for line-level audio input. As noted in the safety information, direct microphone input is not supported without an external amplifier.
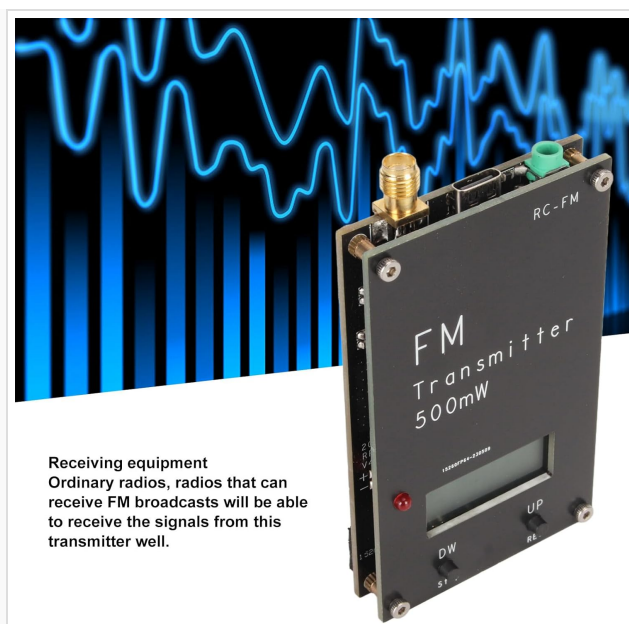
Figure 5.4: The transmitter is compatible with any ordinary radio capable of receiving FM broadcasts.

6. SPECIFICATIONS

Feature	Specification
Item Type	FM Transmitter
Material	Aluminum Alloy
Output Power	10-500mW (0.01-0.5W)
Frequency Range	88-108MHz
Supply Voltage	5V USB Type-C
Supply Current	500mA
Audio Input	Stereo Sound, 3.5mm Connector Standard
SNR	63dB 0.05%THD
Item Weight	3.52 ounces
Package Dimensions	5.31 x 3.43 x 1.1 inches
Model Number	Diyeenifk6duhizy9
Special Feature	LCD Screen

7. TROUBLESHOOTING

If you encounter issues with your FM transmitter, refer to the following common problems and solutions:

- **No Transmission or Weak Signal:**
  - Ensure the antenna is securely connected.
  - Verify the USB-C power supply is active and providing sufficient power.
  - Adjust the transmit power level to a higher setting (e.g., P10) as described in Section 5.3.

- Select a clear FM frequency in your area that is not used by local radio stations.

- **Poor Audio Quality or Static:**
  - Check the 3.5mm audio input cable for secure connections at both the transmitter and the audio source.
  - Ensure your audio source is providing a clean, unamplified stereo signal.
  - Try adjusting the frequency slightly to avoid interference from other signals.

- **Device Not Powering On:**
  - Confirm that the USB-C power cable is fully inserted into both the transmitter and the power source.
  - Test the USB-C cable and power adapter with another device to ensure they are functional.

8. MAINTENANCE

To ensure the longevity and proper functioning of your Diyeeni FM Transmitter Module:

- Keep the device in a dry environment and protect it from moisture.
- Clean the exterior with a soft, dry cloth. Avoid using harsh chemicals or abrasive materials.
- Avoid exposing the device to extreme temperatures or direct sunlight for extended periods.
- Do not attempt to disassemble or modify the unit, as this will void any warranty and may cause damage.

9. WARRANTY AND SUPPORT

For warranty information, technical assistance, or customer support, please refer to the seller's policies or contact Diyeeni customer service through the retailer where the product was purchased. Please have your model number (Diyeenifk6duhizy9) and purchase details ready when seeking support.