

80W Power Inverter with FM transmitter

User Manual

Before You Begin

- * Read the user manual carefully. Always use it as instructed by the manual.
- * It is normal that the inverter becomes warm while using. Avoid placing the inverter in direct sunlight or next to heat-sensitive materials.
- * Check the power rating labels on AC adaptor or battery charges of your appliances. This device supplies less than 80 Watts Continuous power. The USB port output is 5V DC and 500mA.

Safety Precautions

- Do not use with any appliance with Dangerous Voltage Warning.
- DC Input must be below 16V DC.
- Make sure to provide adequate ventilation to the Inverter.
- Never place Inverter in an enclosure or near a heat source such as heat vent of cars or in direct sunlight.
- Do not use the inverter near any flammable liquid or gas.
- Do not use this inverter in hot environment (150F).
- Keep the device dry all the time. Do not expose to liquid or moisture.
- Do not attempt to disassemble, especially when the power is plugged. This device generates 120V AC.
- Do not handle with wet hands.
- Do not insert any metal fragment into the unit.
- Keep away from reach of children.
- Turn off the product or remove the connector from the Vehicle lighter plug while not using.

1. Introduction

The DC to AC 80W Power Inverter with FM transmitter is designed for notebook computers, video camcorders, digital cameras, DVD players, iPod, and MP3 players. Its AC outlet operates like your home AC socket! It also designed to transmit sounds in your iPod, MP3 players and DVD players. These signals are received and played by automobile audio equipment.



Figure 1.

The 80W power inverter with FM transmitter

1. LCD with Blue backlight
2. Audio input
3. Dual color LED (green for operation, red for shutdown)
4. USB port (5VDC , 500mA)
5. AC output socket (120V 60Hz AC Output)
6. FM frequency up
7. FM frequency down
8. FM transmitter Power on/off

LED Indication

No light from LED	No power to inverter
Constant Green	Power on and in operation
Constant Red	Inverter shutdown

2. Operation

Operate the Inverter

Step 1: Plug the inverter into vehicle lighter /accessory outlet:

Step 2: Led turns to green.

Step3: Connect the AC plug of the appliance into the inverter

FM transmitter Operation

Step 1, Power on.

Press and hold the power button for 3 seconds to turn on FM transmitter. The LED will indicate current frequency.

Step 2, Connect the audio source.

Connect the audio output of iPod, MP3 players or other audio players with the audio wire provided inside the package.

Step 3, Tune the radio and FM Transmitter

Press “ ” or “ ” to change the transmitter frequency up or down by 0.1MHz. Long-time pressing on the “ ” or “ ” will change the frequency at high speed.

When a desired FM frequency is selected, turn on the car audio player and adjust the FM radio tuner to the same frequency.

Step 4, Play the audio

Now you can enjoy the music from iPod or MP3 player in your car audio system.

Sometimes the selected frequency may conflict with a strong broadcasting station. You need follow Step 3 to select a different frequency.

FM transmitter and power inverter can work at the same time. Turn off the FM transmitter while not using.

3. Technical Specification.

Input Voltage Range	11V-15VDC
Output Rated Power	80Watts Continuous, 80Watts Max.
Output Voltage & Frequency	120Vac 60Hz
Output Voltage For USB Charging Port	5VDC 300 ~500mA(0.5A max.)
Protection	Short Circuit, Overload, Over Temperature, Low Voltage, High Voltage
Indicator	Red-Shutdown, Green-Operation
AC output wave form	Modified sine wave
FUSE	8A
FM transmitter out Frequency	88.10MHZ to 107.9MHZ

4. Troubleshooting

1. No AC output:

The inverter may be in protective mode. Unplug the power and plug in again.
If it still does not work, call for technical support or send to the repair center.

2. AC Output voltage isn't correct

The DC input voltage may be too high or too low.

3. The inverter could not power some appliance

Check the rated AC power for the appliance. Make sure it is below 80W.
Some appliance needs up to 2 times of its rated power when starting.

4. FM Transmitter is on, but no sound in the car audio system

Check the audio wire connection. Or change to different frequency.
If it still does not work, call the technical support or send in for repair.

5. The car audio system has noise when FM transmitter is working.

The selected frequency on the FM transmitter conflicts with a local station. Need change to different frequency.

FCC WARNING STATEMENT

FCC NOTE:

THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

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.