

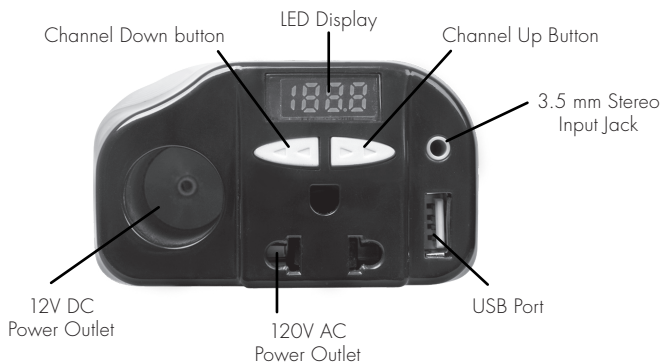
# Smart AC 120 USB Inverter with FM Transmitter



User's Manual

## Smart AC Inverter 100 USB by Wagan Tech

---



## User's Manual—Please read before using this equipment

---

Thank you for purchasing Smart AC 120 USB Inverter with FM Transmitter by Wagan Tech. With minimal care and proper treatment, it will provide years of reliable service. Please read and understand all operating instructions carefully before use.

### Basic Operation

All inverter functions require connecting the Inverter's DC plug into a powered cigarette lighter or 12 volt accessory outlet. For operation more than 2 hours, make sure the engine is running.

### Cautions

- When inverter functions are not in use, disconnect the inverter from the vehicle's 12 Volt cigarette or accessory outlet.
- Do not use more than two of the power functions at a time. This may blow a fuse or damage the inverter.
- Make sure any cords plugged into the inverter do not interfere with safe operation of the vehicle.
- It is illegal for the driver of the vehicle to watch video or TV while the vehicle is moving.

### 120 Volt AC Power Outlet

The 120 Volt AC Outlet can continuously power appliances up to 100 Watts. It can recharge and power laptops, DVD players, camcorders, video games, and TVs up to 13". The inverter can output up to 110 watts for a maximum of 20 minutes.

1. Power the inverter as described earlier.

## Smart AC Inverter 100 USB by Wagan Tech

---

2. Plug the 120 Volt AC powered appliance (maximum of 100 watts) into the 120 Volt AC Power Outlet as described by the manufacturer.

### 5 Volt DC Usb Port

The USB Port can continuously power and recharge MP3 players, cell phones, and other devices.

1. Power the inverter as described earlier.
2. Insert the USB plug of the device you want to power or recharge into the USB Power Port of the inverter.
3. Operate your device normally, as described by the manufacturer.

### 12 Volt DC Power Outlet

Use the 12 Volt DC Outlet for powering or recharging 12 Volt DC devices (up to 10 amperes) while using one of the other power outlets.

1. Power the inverter as described earlier.
2. Insert the appliance's 12 Volt DC plug into the Inverter's 12 Volt DC Power Outlet.
3. Operate the appliance normally, as described by the manufacturer.

### FM Transmitter

1. Power the inverter as described earlier.
2. Insert the 3.5mm plug of the supplied audio cable into the headphone jack of an MP3, CD, or DVD player. Insert the other end of the cable into the 3.5mm stereo input jack of the inverter. Tune your car radio to an FM

frequency that is not being used by any local FM broadcast station.

3. Press the Play Button on the player that you connected to the inverter. When an input audio signal is detected, the transmitter will start.
4. Press the Channel Up or Channel Down Button on the Inverter to select the FM frequency to which you tuned the car radio.
5. The music/audio will transmit from the inverter to the vehicle's FM stereo receiver.
6. You may have to retune the radio or inverter transmitter to locate the best frequency.
7. Adjust the volume on the audio player first then the volume on the radio to suit your listening preferences.

### Frequently Asked Questions

1. How many devices can I simultaneously use with the inverter?  
*Use up to two power outlets at a time and only one device in each outlet.*
2. Can I play audio files from a flash drive?  
*The inverter's transmitter is not an MP3 player. The inverter transmits signals from the stereo input jack.*
3. What should I do if I hear interference from a local FM station?  
*Retune the radio or inverter transmitter to locate the best frequency.*
4. What is the maximum range of the inverter transmitter?  
*Under optimum conditions, 3 meters or 10 feet.*
5. Can a microphone work with the Audio Input Jack?  
*A microphone signal is too weak to modulate the FM transmitter.*

## Smart AC Inverter 100 USB by Wagan Tech

---

### Specifications

Input Voltage .....	11-15V DC
Low Voltage Shutdown .....	11V DC +/- 0.3V
High Voltage Shutdown .....	15V DC +/- 0.3V
Fuse Rating .....	15 Amps
Maximum AC Output .....	110W Max for 20 Minutes
Continuous AC Output .....	100Watts
Maximum Peak Surge Output .....	180Watts
Ambient Operating Temp .....	0°C -40°C
High Temp. Shutdown .....	55°C
Maximum 12V DC Output .....	10 Amps
USB Port .....	DC 5V up to 1 Amp
FM Output .....	15 preset frequencies
FM Transmit Range .....	10 ft. (3 meters)
Display .....	3.5 Digit Red LED
Supplied stereo cable connectors .....	3.5 mm

## WAGAN Corp. Limited Warranty

All WAGAN Corporation products are warranted to the original purchaser of this product.

**Warranty Duration:** This product is warranted to the original purchaser for a period of one (1) Year from the original purchase date, to be free of defects in material and workmanship. WAGAN Corporation disclaims any liability for consequential damages. In no event will WAGAN Corporation be responsible for any amount of damages beyond the amount paid for the product at retail. In the event of a defective item, please contact WAGAN Corporation at (800) 231-5806 to obtain a Returned Merchandise Authorization number (RMA#), and return instructions. Each item returned will require a separate RMA#. After you have received the RMA# and the return instructions from WAGAN Corporation, please follow the instructions and send the item with PREPAID SHIPPING, along with all of the required documentation, a complete explanation of the problem, your name, address and daytime phone number. WAGAN Corporation will, at its option, replace or repair the defective part.

A Returned Merchandise Authorization number (RMA#) is REQUIRED when sending in any defective item. WAGAN Corporation is not responsible for any item(s) returned without an official Returned Merchandise Authorization number. The item(s) must be returned with prepaid shipping. WAGAN Corporation is not responsible for any shipping charges incurred in returning the item(s) back to the company for repair or replacement. This warranty is void if the product has been damaged by accident, in shipment, unreasonable use, misuse, neglect, improper service, commercial use, repairs by unauthorized personnel or other causes not arising out of defects in materials or workmanship. This warranty is effective only if the product is purchased and operated in the USA and does not extend to any units which have been used in violation of written instructions furnished.

**Warranty Disclaimers:** This warranty is in lieu of all warranties expressed or implied and no representative or person is authorized to assume any other liability in connection with the sale of our products. There shall be no claims for defects or failure of performance or product failure under any theory of tort, contract or commercial law including, but not limited to negligence, gross negligence, strict liability, breach of warranty and breach of contract.

**Warranty Performance:** During the above one (1) Year warranty period, a product with a defect will be replaced with a comparable model when the product is returned to WAGAN Corporation with an original store receipt. The replacement product will be in warranty for the balance of the one (1) Year warranty period. ©2008 WAGAN Corp. Updated August 2008

**Wagan Corp.**

31088 San Clemente Street, Hayward, CA 94544 U.S.A.

1.800.231.5806 [customerservice@wagan.com](mailto:customerservice@wagan.com) [www.wagan.com](http://www.wagan.com)

*Revised April 2009*