



MICHELIN



MULTI-FUNCTION PORTABLE
POWER SOURCE XR1
USER'S GUIDE



CHARGE UNIT FOR 15 HOURS BEFORE FIRST USE.



USER'S GUIDE

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Thank you for purchasing the Michelin® Power Source XR1. With normal care and proper treatment it will provide years of reliable service.

IMPORTANT INFORMATION

- Please read and understand all warnings, cautions, and notes included in this manual before using the unit. Follow instructions provided by your vehicle manufacturer and other devices intended to be used with this unit. Keep these instructions for future reference.
- Make sure the unit is fully charged before first use. We recommend 15 hours for initial charge.

GENERAL WARNINGS



HIGH VOLTAGE: The inverter output can be lethal. Improper use may result in property damage, personal injury, or loss of life.

- This appliance is NOT intended for use by persons with reduced physical, sensory, or mental capabilities.
- Children or persons lacking in experience and knowledge also should NOT operate this appliance unless he/she has been given supervision or instruction concerning the proper usage and warnings of the appliance by a person responsible for their safety.
- For proper and safe operation of any accessory outlet, do not place anything in it except the plug of the accessory to be used.
- Use only the chargers, cables, and clamps provided. Unauthorized parts may damage the unit.
- This product has no consumer serviceable parts other than the external fuse. Do not attempt to open the unit's enclosure, doing so will void the warranty.

STORAGE

This unit may be stored in any position. Make sure the clamps and air hose are securely tucked away in their original positions. Store in a cool, dry area. If the unit is not used for a prolonged period of time, recharge every 3 months.

PROPER DISPOSAL

- Appliance, accessories, and packaging should be recycled in an environmentally friendly manner. Plastic parts are coded for purposes of separation when recycling.
- Battery-powered electrical appliances contain materials which are harmful to the environment. Do not dispose of batteries and/or electric/electronic appliances in normal household refuse. When the battery has reached the end of its lifetime, please take the entire unit to a battery recycling facility.

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PRODUCT FEATURES

- Powerful jump starter with heavy-duty cables and clamps.
- Voltmeter for checking battery status.
- High pressure air flow inflator for inflating tires and sports equipment with easy-read analog pressure gauge.
- Built-in power inverter providing two 115-volt AC outlets.
- Additional DC accessory socket for powering DC appliances.
- One USB power port for charging mobile devices.
- Bright, long-lasting LED area light.
- Hazard-flashing light mode with red lens cap for emergency warning.
- Built-in Bluetooth® enabled AM/FM radio.
- Audio input jack for external music players.
- AC/DC recharging adapter & DC recharging cable (fused) included.

SPECIFICATIONS

Item number	0728
Battery	AGM Sealed lead acid, 12V, 12Ah
Peak Amps	1000A
Jumper Cables	8 AWG, 40-inch
Tire Inflator	260 PSI, analog gauge
Inverter Continuous Output Power	200W (modified sine wave)
Inverter Peak Surge	400W (for a max of 0.3 seconds)
Inverter Low Voltage Alarm	10.5V ±0.5V
Low Voltage Shut-off	10.0V ±0.5V
Fuse	25A
AC Outlets (2x)	115V, 60 Hz
DC Socket	12V, 11A max, 132W
USB Power Port	5V, 2.1 A
Work Light	9-LED
Digital-tune Radio	AM 520–1710 kHz / FM 87.5–108 MHz
Auxiliary Input Jack	3.5 mm diameter (1/8 inch)
Charging Time (AC)	15 hours
Charging Time (DC—with engine running)	12 hours
Dimensions WxLxH (inches)	11.0 × 12.0 × 8.3
Weight (lb)	17.5
AC Charging Adapter Output	12V, 1.0A DC

FRONT VIEW



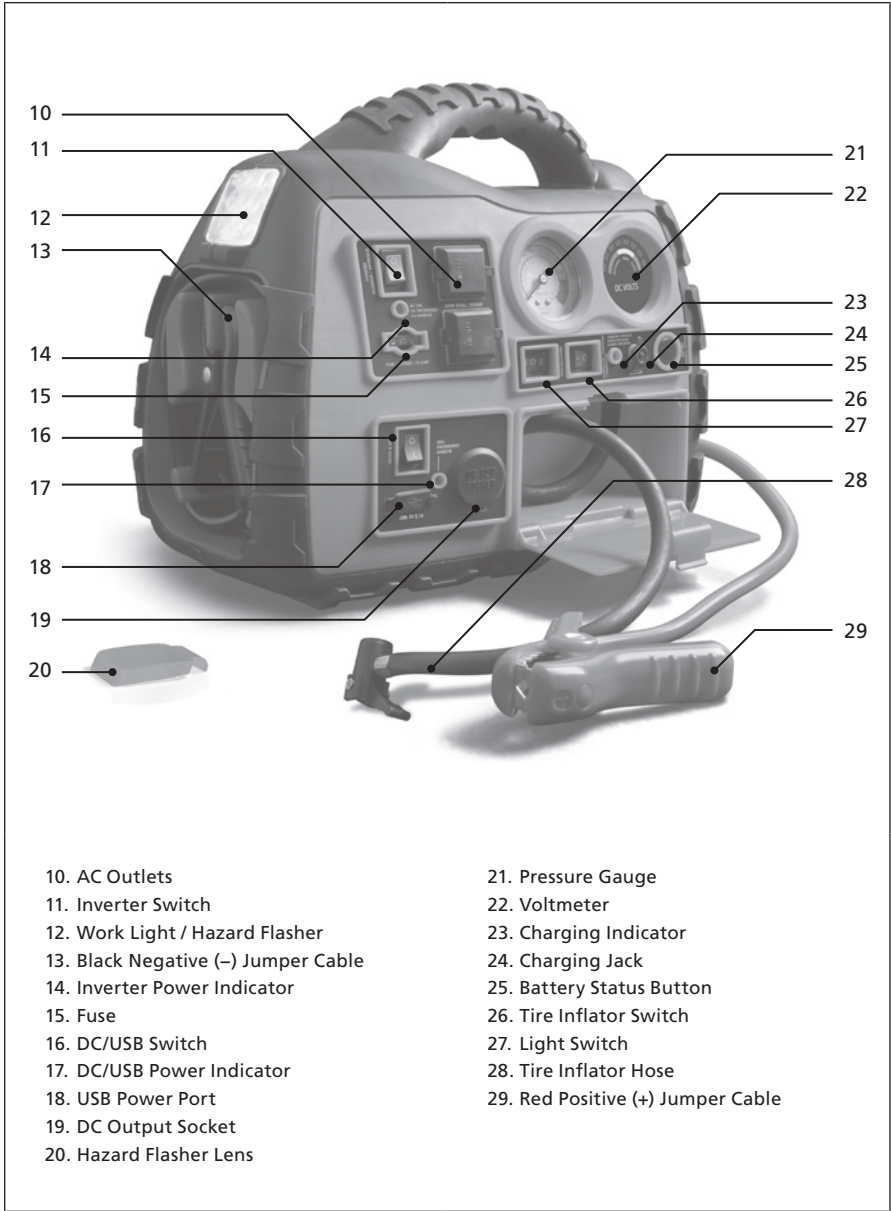
1. Extendable Antenna
2. Jumper Safety Switch
3. Red Positive (+) Jumper Cable

4. Radio LCD Screen
5. Speakers
6. Bluetooth Microphone
7. Radio Control Panel
8. Auxiliary Input Jack
9. Storage Compartment

**Audio device and audio input cable not provided.*

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REAR VIEW



BATTERY STATUS

The voltmeter provides the current state of charge on the internal battery. It is the user's responsibility to periodically monitor the battery's status and recharge every 3 months in addition to recharging after each use.

1. Disconnect any input or output power cords and turn off all switches.
2. Press the Battery Status button.
3. Read the voltmeter to determine battery status.
 - Red: Battery is discharged, charge immediately
 - Yellow: Battery should be charged before jump starting a vehicle
 - Green: Battery is adequate for jump starting

CHARGING THE UNIT



ELECTRICAL SHOCK! Exposure to water may cause electrical shock. Exposure to water and excessive moisture will also damage the unit and void the warranty.

Charge your unit in an upright position for a full 15 hours before initial use. The unit can be charged continuously via AC adapter without damaging the internal battery. In order to prolong the life of the unit (as with all lead-acid batteries), be sure to fully recharge the unit every 3 months even if it has not been used.

AC Charging

Only use the AC charging adapter supplied with this unit. Make sure the supplied AC/DC charging adapter is powered by the correct voltage (110V AC or 220V AC depending on your country/region).

1. Make sure all switches are off.
2. Open the dust cover on the charging jack.
3. Plug the DC end of the AC/DC charging adapter into the unit's charging jack.
4. Connect the AC end of the AC/DC charging adapter to the wall outlet.
5. The charging indicator will light up during the charging process.
6. When charge is complete, disconnect the adapter from the AC outlet first, then from the charging jack.
7. Replace the dust cover on the charging jack.

DC Charging in Your Vehicle or Boat

Only use the DC charging adapter supplied with this unit. Your vehicle **engine must be running** while charging the unit. **Do NOT exceed 12 hours** of continuous charging time.

1. Make sure all switches are off.
2. Open the dust cover on the charging jack.
3. Plug the small end of the DC power cord into the unit's charging jack.
4. Plug the large end of the DC power cord into an accessory (cigarette lighter) socket.
5. The charging indicator will light up during the charging process. **Do NOT charge for more than 12 hours at one time.**

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6. When charge is complete, disconnect the power cord from the accessory socket first, then from the unit's charging jack.
7. Replace the dust cover on the charging jack.

JUMP STARTER

Warnings

- Lead-acid batteries can release explosive gases. Failure to follow instructions may cause property damage, explosion hazard, and/or personal injury.
- Do not smoke while jump starting.
- Jump start a vehicle or boat in a well ventilated area.
- Do not attempt to jump start a frozen battery.
- This product is not intended for use in the rain or temperatures above 130°F.
- Do not let the jumper cables or other attached appliances get wet.
- Do not wear vinyl clothing when jump starting—friction can cause static electricity sparks.
- Remove all metal jewelry to avoid short circuits.
- Always use safety glasses when jump starting battery. Keep battery terminals clean and be careful to keep corrosion from coming in contact with eyes—acid can cause blindness and/or severe burns.
- Never allow red and black clamps to touch or connect to the same piece of metal—this can cause short-circuits, power arcing, and/or explosion.
- Make sure someone is available to give assistance if needed.
- Keep out of reach of children.
- This unit is for use with 12 volt systems only.

Operation

CAUTION: If the engine fails to start after three attempts, discontinue jump start procedure. Excessive engine cranking can damage the vehicle's starter motor. Look for other problems that may need to be corrected or call for professional service.

1. Review the Jump starter warnings.
2. Put the vehicle's gear in "park" position and make sure the brake is set.
3. Turn off the vehicle ignition and accessories (e.g. radios, lights, air conditioners), and disconnect all devices such as GPS and mobile phones or tablets.
4. Turn off the unit switches and disconnect all accessories.
5. Determine the polarity of the vehicle's battery terminals. The positive (POS, P, +) battery terminal is usually larger in diameter than the negative (NEG, N, -) terminal. If you are unsure, you should refer to the vehicle owner's manual.
6. Determine the ground system of your vehicle.
 - If vehicle to be started has a negative ground system (this is most common):
 - a. Connect the red (+) cable clamp first to the vehicle's positive (red) battery terminal.

- b. Next, connect the black (–) clamp to the vehicle chassis or a solid, non-moving, metal vehicle component or body part. DO NOT clamp directly to negative battery terminal or a moving part.
- If vehicle to be started has the positive battery terminal connected to chassis (this is rare and usually found in older car models from the 1950s or earlier):
 - a. Connect the black (–) clamp first to vehicle battery's negative (black) terminal.
 - b. Connect red (+) clamp to vehicle chassis or a solid, non-moving, metal vehicle component or body part. DO NOT clamp directly to positive battery terminal or a moving part.
7. Turn on the Jumper Safety Switch.
8. Inside the vehicle, turn on the ignition switch and attempt to start the engine.
9. Crank a maximum of 3 seconds. If the engine does not start, wait 3 minutes before the next attempt.
10. After the engine starts, turn off the Jumper Safety Switch.
11. Disconnect the clamps in the reverse order of connection prior to jumpstarting. Be sure that the cables and clamps are securely stored.
12. Recharge the unit as soon as convenient.

TIRE INFLATOR

This unit is equipped with a tire inflator that can provide up to 260 PSI (pounds per square inch) of pressure for a variety of uses such as vehicle tires and sports equipment.

CAUTION: Be careful not to over inflate, monitor the inflator gauge while inflating. Never connect or disconnect the nozzle with the inflator operating. To avoid overheating, do not operate the tire inflator for more than 10 minutes at a time. After 10 minutes, allow the inflator to cool for 15 minutes before using again.

Operation

In the event that the vehicle tire is completely flat, raise the vehicle using a recommended jack before inflating the tire.

1. Before any tire inflation, look for manufacturer's recommended inflation pressure.
2. Open the compartment door at the rear of the unit and extend the air hose.
3. Position the unit so that you can see the pressure gauge.
4. Make sure the chuck lever is positioned up (away from the chuck opening).
5. Determine if you will need an air hose adapter for your object.
 - To inflate a vehicle tire:
 - a. Remove the valve cap from the valve stem of the tire.
 - b. Attach the chuck of the air hose to the tire's valve stem.
 - c. Push the chuck lever down to secure the chuck to the valve stem.
 - To inflate a sports equipment, air mattress, rafts, or other plastic inflatables:
 - a. Insert the proper valve stem adapter into stem connector as far as possible.
 - b. Push the chuck lever down to secure the adapter.

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- c. Remove the valve cap from your inflatable object if there is one.
 - d. Insert the other end of the valve stem adapter into inflatable's air valve opening as far as possible.
6. Set the Tire Inflator Switch on to the "I" position to start inflation. Monitor the pressure gauge while inflating the tire.
 7. When recommended tire pressure has been reached, turn off the tire inflator.
 8. Disconnect the hose and replace valve cap.
 9. Return the hose back to its compartment for storage.
 10. Recharge the unit as soon as it is convenient.

POWER INVERTER

The Power Inverter can run most AC appliances or a combination of appliances up to 200 watts. Operating time is dependant on the AC load (required wattage) and the current charge/condition of the internal battery. Reduced AC loads and/or having a full charge on the internal battery will result in longer operating time. Ordinary overloads will cause the inverter to automatically shut down. Reduce the load and restart the inverter.

There is a user-replaceable automotive-type fuse protecting the inverter from an unlikely excessive power draw or short circuit. REPLACE ONLY WITH THE SAME TYPE AND RATING FUSE. To replace the fuse, simply pull it out with a pair of needle nose pliers and insert the new fuse.

Caution

Some rechargeable devices are equipped with a separate AC charger. These devices are likely to operate properly with the inverter in this unit. Rechargeable devices that have built-in chargers (see your device's user manual) may not operate properly with this unit because the inverter is modified sine wave.

Some motorized devices may operate at excessively elevated temperature when used with this inverter. During first use with this inverter, check for excessive motor temperature. Abnormally elevated temperature of the device is an indication that they should not be used together.

Operation

1. Check the required current draw of the appliance/device to be powered and make sure it does not exceed the Power Inverter's maximum wattage.
2. Prior to plugging in your device, turn your power tool or appliance off. Mobile devices are fine to keep on, but operating them during the charging process will prolong charging time.
3. Open the AC outlet dust cover.
4. Connect the electrical plug of your device/appliance to either of the two AC outlets.
5. Set the Inverter Switch to the "I" position.
6. Observe the Inverter Power Indicator. If the LED remains green, proceed to plugging in and turning on the second device/appliance.
 - If the power indicator remains green, then both devices/appliances are operating properly.
 - If the power indicator is no longer lit, reduce the AC load. If the inverter still does not operate after load is reduced, refer to the troubleshooting table at the end of this User's Guide. After use, remove the device/appliance plug(s), close the dust cover(s), and turn the Inverter Switch off.
7. Recharge the unit as soon as it is convenient.

DC OUTPUT SOCKET

The DC accessory socket can power a DC load up to 11 Amps. Overloading the socket will result in tripping the self-resetting circuit breaker. Removing the overload automatically restores power to the DC socket. For proper and safe operation of the 12 Volt DC power accessory socket, do not place anything in them except the 12V DC plug of the accessory to be used.

1. Check the required current draw of the appliance/device to be powered and make sure it does not exceed the socket's maximum wattage.
2. Remove the dust cover from the DC socket.
3. Insert the 12V DC plug of your device/appliance into the DC socket.
4. Set the DC/USB Switch to the "I" position.
5. Check for the indicator to be lit.
6. Operate your device/appliance as usual.
7. After use, remove the device/appliance's plug, close the dust cover, and turn the DC/USB Switch off.
8. Recharge the unit as soon as convenient.

USB POWER PORT

1. Remove the dust cover.
2. Connect a user-supplied USB cable to the USB power port on the unit.
3. Set the DC/USB Switch to "I" position.
4. Check for the indicator to be lit.
5. Operate your mobile device as usual.
6. After use, disconnect the USB cable and turn the DC/USB Switch off.
7. Replace the dust cover.
8. Recharge the unit as soon as convenient.

WORK LIGHT

The Work Light is a cluster of bright LEDs located at the side of the unit. The location of the Work Light allows the light to be used while it is being carried.

1. Set the Light Switch to the "I" position.
2. The light will illuminate.
3. Turn off the light when it is not in use.

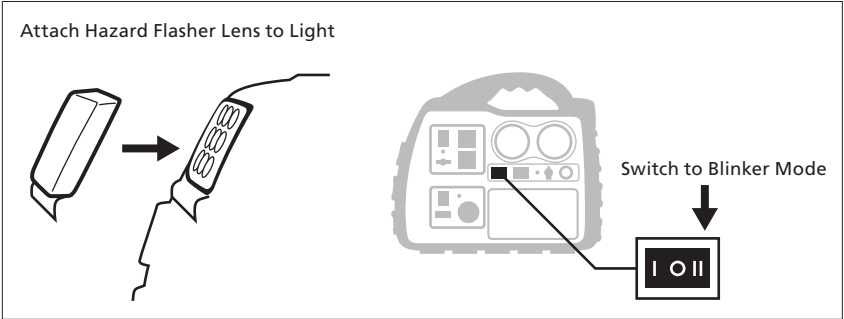
USING THE HAZARD FLASHER

The hazard lens turns the light into a caution signal during roadside vehicle repair or as a distress signal when seeking help.

1. Attach the red Hazard Flasher Lens over the light snugly.

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2. Set the Light Switch to "||" for blinking mode.

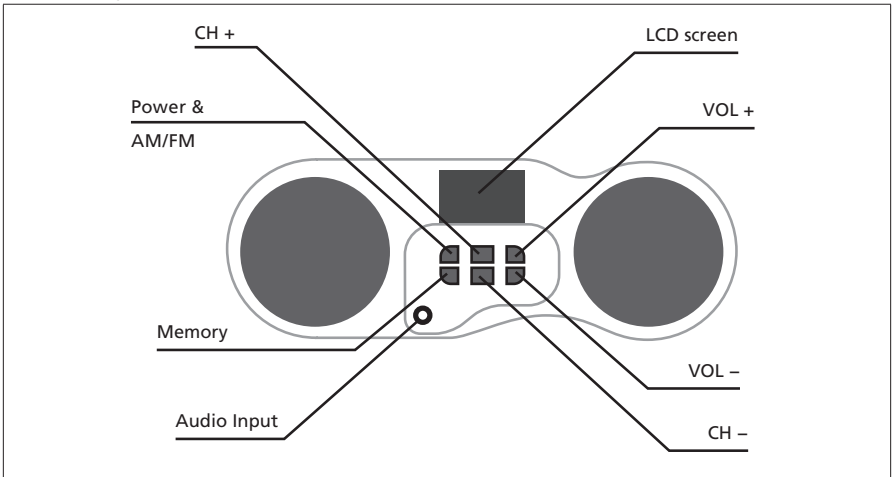


3. Place the unit in a very visible position or area.
4. Turn the light off when it is not in use.

AM/FM RADIO

The radio can receive frequencies in the standard AM and FM broadcast bands (AM 520–1710 kHz, FM 87.5–108 MHz). An extendable antenna provides adequate signal to receive all local radio stations. When not in use, the antenna should be stored in the retracted position. This will prevent damage to the antenna while being transported.

NOTE: All AM band radios are subject to receiving noise interference from electronic devices, static lightning strikes, and some motorized equipment. If you are operating the inverter and noise is being received on the AM band, turn off the inverter or change the radio to receive an FM frequency.



Turning On and Tuning the Radio

1. Carefully raise and extend the antenna.
2. Press the PWR (power) button to turn the radio on. The current frequency is displayed in the center and the "AM" or "FM" band is shown in the corner of the LCD screen.
3. Tap the MODE button to switch between AM and FM bands.
4. Tap the "CH+" and "CH-" buttons to adjust the station. Press and hold the buttons to automatically scan stations.
5. When finished, press and hold the PWR (power) button to turn off the radio. Carefully retract the antenna and return it to the lowered position.

Adjusting the Volume

1. With the radio turned on, tap the "VOL+" or "VOL-" buttons to adjust the volume. Press and hold the buttons to adjust the volume quickly. The radio can be adjusted up to 16 levels.
2. When using an external audio device in the Audio Input Jack, the volume will be controlled by the external device.

3.5MM AUDIO INPUT

1. Turn the radio on.
2. Push the MODE button until you see "AU" on the LCD screen.
3. Insert a user-supplied 3.5mm audio cable into the auxiliary input jack.
4. Insert the opposite end of the cable into a compatible audio device.
5. Turn on the audio device and set it to output sound. The sound should be audible from the unit speakers.

Note: The unit's USB Power Port can conveniently charge your audio or mobile device while music is playing.

BLUETOOTH PAIRING

Pair your Bluetooth enabled phone or tablet to the unit.

1. Press the PWR (power) button to turn on the radio.
2. Press the MODE button to change the input mode until you see "BT" on the LCD screen.
3. You will hear an elevating tone initiating the Bluetooth receiver and the "BT" text will flash while in pairing mode.
4. Set your device (phone or tablet) to search for Bluetooth devices. Please refer to your device's user manual for specific instructions.
5. After searching is complete, you should see "DN018BT" in the device list. Select this and the unit will automatically connect.
6. The unit's speakers will emit a chime indicating that a successful connection has been made. The "BT" text on the display will change from flashing to solid once connected to a device.
7. The unit is ready to be used as a Bluetooth speaker.
8. The Bluetooth setting is able to play music and receive phone calls. When a phone call is received, press the "CH—/📞" for two seconds to pick up the call. To hang up the call, press the "CH—/📞" again for two seconds. Restart the music on your device if it does not restart automatically when the call has ended.
9. There is a small hole for the microphone that is visible near the radio on the unit.

TROUBLESHOOTING

Problem	Cause	Solution
Tire inflator shut-off.	High temperature protection.	Allow the unit to cool for about 10 minutes.
Lack of power output.	Battery voltage is below 10 volts.	Recharge immediately.
	Excessive current drawn by appliance being operated.	Reduce load to maximum wattage. <ol style="list-style-type: none"> 1. Turn off the device and inverter. 2. Disconnect device. 3. Turn the inverter on and let it run for a minimum of 2 minutes. 4. Turn inverter off. 5. Quickly plug device into inverter. 6. Turn on both the inverter and the device.
	Inverter fuse blown.	Check and replace if necessary. Be sure replacement fuse is the same type and rating.
Loud buzzing sound.	Battery charge level is too low.	<ol style="list-style-type: none"> 1. Disconnect all appliances. 2. Turn inverter off. 3. Charge fully. (See <i>charging section for more details.</i>)
Inverter Power Indicator is not lit.	Excessive voltage drop.	Check internal battery status and recharge if voltage drops below 10 volts.
	Inverter is overloaded.	Reduce load to maximum wattage.
Inverter automatically shuts down.	AC overload.	Unplug and power off to restart then reduce AC load to maximum wattage.
Television/power tool will not start.	Required wattage exceeds peak surge for start-up.	Toggle the Inverter Switch on and off in quick succession for 5 times. If the device does not start, the device is not compatible with this type of inverter.
Television Interference.	Picture breaking up (static).	Place the unit as far as possible from the TV, antenna, and coaxial cable.
		TV station may be out of range.
Static/noise interference in audio system.	Sound system has weak alternating current shielding.	Do not use the inverter with low-quality audio AC filtering system.
		Replace audio system with high quality noise filtering.