

# Micki Product Information Guide

## 1) **Generator (Inverter)** – Dometic 3000 Inverter (2600 watts)

This is a pure sine wave inverter generator equipped with electric start and modified to be started by an Inverter/Charger, specifically the PSW Inverter/charger used by the Micki and Mini-Micki.

**Required:** 1 qt. 5-30W Detergent Oil, 1.5 Gallons of Gas,

**Tools:** #2 Phillips Head Screwdriver, 1 set of pliers may also be needed.

1. Open up the cover on the back panel using a Phillips head screw driver.
2. Check to be sure the gas lines are not kinked,. Take special care to examine the top right hose.  
**Note:** Be sure to feel the hose and not just look at the outer cover as it will appear kinked, when the hose isn't.
3. **OIL:** The generator is shipped with minimum oil. This is not clear from their manual. It is very important you place the generator on a level surface. Remove the oil filler cap which is also the oil dip-stick. **DO NOT RELY ON THE FACT THAT OIL IS IN THE CAPS TREADS.** Wipe the oil dip-stick, place back in **ONLY TIGHTNING** ¼ turn, or immediately after it starts tightening. Remove the dipstick and if the level is not close to the full marker, add as required. Oil should be added until all of the diamond pattern has oil covering it. **THE UNIT WILL NOT START IF THE OIL LEVEL IS LOW.**
4. **Battery:** The battery has to be connected. Remove the corner cover as shown below. Connect the two wires (male & female) by simply snapping them together. Replace the cover, making sure that the wires are not crimped.
5. **Electric Start:** The battery more than likely will not be charged to a level capable of turning over the engine. It will automatically be charged when the generator is run.
6. **Manual Start:** Always pull the manual start cord slowly until pressure is felt. Never just let the cord go, even if the unit started. Manually return it to its stored position.
7. **Starting:** When the unit is new, be sure to pump the manual injection pump to get gas through the system and into the carburetor. They recommend 7 pumps on the first use. After doing this, you should see gasoline in the fuel filter. You're now ready to start the generator. Turn the key to the ON position, turn the "Smart Throttle" OFF, put the choke all of the way to the left (fully choked), and pull the starting cord. Generally the unit will start on the first pull if all of these steps have been completed. You may have to pull it a few times, this is also normal.
8. **Choke:** As the unit warms up (dependent on many factors) start bringing the choke back to the OFF position (all the way to the right). Note that if the unit is warm and you wish to restart it, place the choke about half on. It takes a little practice to get to find the best choke position in various situations.
9. **Break In:** After the chock has been completely turned off, let the unit run for about 15 minutes before plugging anything into the power outlets. You should not run the unit more than 30 – 45 minutes the first time it is started. Turn it off, check the oil and for any visible problems. Let it cool down for 10 ro 15 minutes then you should be ready to start using the unit.
10. **High Altitude:** If you are going to be using the unit at high altitude, it is a good idea to change the carburetor jet. Be sure to check the unit you checkout which should have a "*Mountain Ready*" tag if it has been modified for high altitude use.

## 2) **Cell Signal Booster/Repeater** – WeBoost Connect 4G (& 3G+Std)

This unit currently uses a directional antenna for the longest range reception. A unidirectional antenna is much easier to setup, but will fail at distances where cell reception is faint.

**Directional Antenna & Amplifier, → Local Antenna:** This is not a single phone amplifier, where you place a single phone into a cradle. This unit is designed to take a weak signal, amplify it and sent it to a local transceiver/antenna where it is used locally and rebroadcast to the cellular network of the local users. Many users can be connected to each of their cell services as long as a signal with enough strength to be amplified can be accessed in the area. In general, if there is intermittent or spotty service available, this will work most of the time.

**Local Antenna Distance from Directional Antenna:** The local antenna must be a minimum of 20', with a recommended distance of 50' from the directional antenna to avoid “ping-ponging” the amplified signal back to the directional or external antenna. This means that the local antenna must be mounted in a suitable place away from the Micki.

**Remote Antenna Rotor:** It is planned to mount the directional antenna on a remote control rotor. for the fastest means of setting up the directional antenna as you will need to monitor the signal strength coming from the local antenna which must be a suitable distance from the Micki as described above.

**Office (Ranger Station) Use:** This unit can accommodate multiple local antennas. As the rebroadcast range is rested by law, it may be necessary to have multiple local antennas where wall material restricts the signal or distance becomes a factor. Each local antenna will have to be connected via a “T” connection. The number is limited but is unique to each instilatio. It may be necessary to use a powered signal splitter that can boost a signal where there has been a loss from having too many “T”s on a line.

**Factory Documentation:** See the WeBoost documentation if you wish to install the unit from scratch such as at a Ranger Station.

**Use With Micki:** See the Micki documentation to see how to use this cell signal booster with the “Micki”.