

Pi Zero MMDVM Hotspot Kit

Thank you for purchasing a Hotspot kit. This is the instructions for assembling the Hotspot kit. Assembly is fairly easy but will require basic hand tools and some knowledge regarding soldering. There are slight variances in the kits and I have tried to list all options and steps below and note if it may or may not be required.

- Solder the GPIO headers to the Pi-Zero (If required). Some kits will have GPIO headers already installed on the Pi-Zero and others will require them to be installed. Install the headers to each end of the GPIO location, so they are in line with the connectors on the MMDVM.
- Install Pi Zero in the Hotspot case. Use the short screws on the side with the GPIO pins.
- Solder the OLED display to the MMDVM board. (If required) Some are pre-installed.
- Solder the SMA antenna connector to the MMDVM board. (If required) Some are pre-installed.

NOTE

Below, in red, mainly applies to MMDVM boards that DO NOT have the OLED and SMA pre-installed. And Pi-Zeros that have pre-installed GPIO headers. But, it is always a good idea to check and make sure none of the pins are contacting other pins they are not supposed to and /or not touching the hotspot case.

The pins on the OLED display may be too long and may contact the GPIO pins on the Pi Zero. You can cut the pins shorter before soldering or they can be ground shorter with a Dremel or other small grinder after being soldered in place. ALSO, the pins on the top side of the display may contact the case top cover. It is advised to grind them as well, just to be safe.

USE CARE WHEN GRINDING

- Install the MMDVM board on to the GPIO pins of the Pi Zero.
- Use the plastic spacers and the long screws to secure the MMDVM board and Pi Zero to the case. This will be on the side without the GPIO pins.
- Remove protective cover from OLED display if desired
- Install top cover

PLEASE NOTE

The pwr decal on the case should not be removed. This is covering the other micro USB port. This port is not designed to have power applied and doing so may cause damage. It is advised to keep the port covered with the pwr decal or something similar. Power must only be connected to the outermost micro USB port.

Download the Pi-Star Software Setup Instructions to continue with setup
Download at www.nlstn.com/manuals-documents/

