INSTALLATION GUIDE

LoRa Device

Note: This guide is intended for use with LoRa's with a digital display only.


240VAC
L N

L   N   YO   N.C.   N.C.   N.C.

RUN

FUNC
Switch

Enter

RF

Antenna   RS-485

⟋ MAIN DISPLAY IN LORA RADIO MODE

LoRa Mode

Signal to noise ratio

Signal strength

Spread factor Serial

Frequency info

Port Settings

```
LoRaRadio  [OFF]
SNR 0.0     RSSI 0
SF7      433.175M
CR4/5    BW125K
9600,8,N,1
```
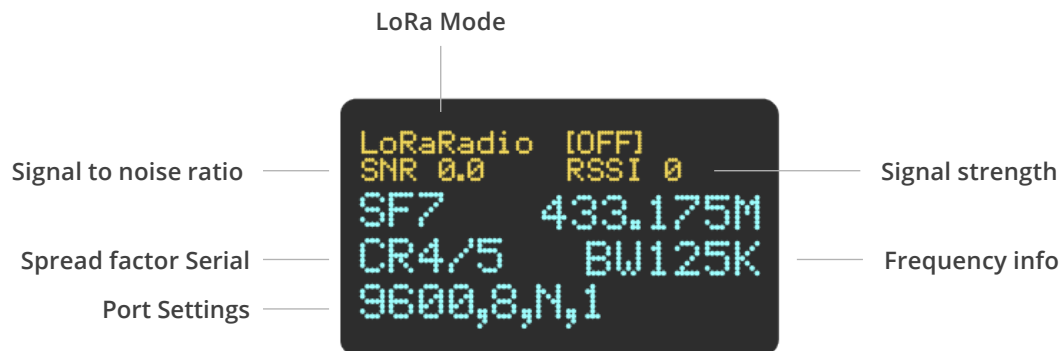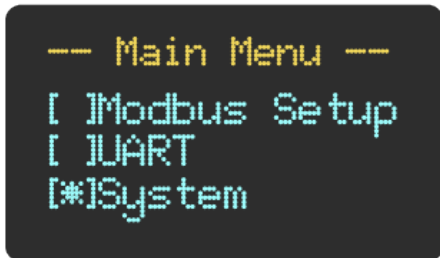
SET TO LORA RADIO MODE

All LoRa's must be set to Radio mode to work with GivEnergy inverters.
Use the buttons on the front of both LoRa's, one at a time.

```
--- Main Menu ---

[ ]Modbus Setup
[ ]UART
[*]System
```

```
----- Setting -----

LoRa Mode

[LoRaRadio]
```
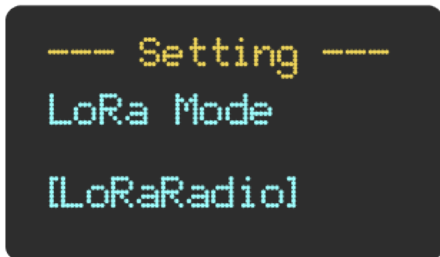
FUNC   **1.** Press and hold **FUNC** to display the Main Menu

FUNC   **2.** Press **FUNC** repeatedly to scroll to System

↵   **3.** Press **ENTER** to select System Setting menu

↵   **4.** Press **ENTER** repeatedly until display reads LoRa Radio

FUNC   **5.** Press **FUNC** to return to Main Menu
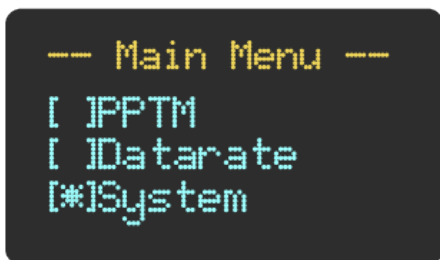
FUNC   **6.** Press **FUNC** to scroll to Reboot

↵   **7.** Press **ENTER** to reboot device to update settings

CHANGE RADIO FREQUENCY

All LoRa's must be set to Radio mode to work with GivEnergy inverters.
Use the buttons on the front of both LoRa's, one at a time.

```
--- Main Menu ---

[ ]PPTM
[ ]Datarate
[*]System
```

```
--- Frequency ---


0433100000 (Hz)
— ——
```

FUNC   **1.** Press and hold **FUNC** to display the Main Menu

FUNC   **2.** Press **FUNC** repeatedly to scroll to Frequency

↵   **3.** Press **ENTER** to select Frequency Setting menu

FUNC   **4.** Press **FUNC** to select digit to change

↵   **5.** Press **ENTER** to Increase digit

FUNC   **6.** Press **FUNC** to scroll to Reboot

↵   **7.** Press **ENTER** to reboot device to update settings

Modules must be on the same frequency to communicate with each other

CHANGE SERIAL PORT SETTINGS

In some cases the port that the LoRa communicates with the inverter and battery on may need configuration. Using buttons on the front of **both** LoRa's at one time.

```
---- Setting ----
Serial Saud Rate
[9600 bps]
```

```
---- Setting ----
Serial Parity
[None]
```

```
---- Setting ----
Restart System
[Cancel]      [OK]
```

FUNC   **1.** Press and hold **FUNC** to display the Main Menu

FUNC   **2.** Press **FUNC** repeatedly to scroll to UART

←   **3.** Press **ENTER** to select UART Setting menu

←   **4.** Press **ENTER** repeatedly to scroll to desired Baud Rate

FUNC   **5.** Press **FUNC** to Parity.sub menu

←   **6.** Press **ENTER** repeatedly to scroll to desired Parity

FUNC   **7.** Press **FUNC** to reboot device to update settings

FUNC   **8.** Press **FUNC** to scroll to Reboot

←   **9.** Press **ENTER** to reboot device to update settings