ETP-CI-4G-V
Cellular Interface for Verizon
Installation Instructions

I. Introduction

The **ETP-CI-4G-V** is used in conjunction with an ETP-500 Series ADA-compliant, hands-free Emergency Phone.

II. Prerequisite Cellular Service Requirements

Prior to installation and setup, the **ETP-CI-4G-V** Cellular Interface has the following perquisite requirements:

(1) **Verizon Machine-to-Machine (M2M) Plan** – Share Group 1 & 2, custom M2M plans require DACC codes to be built for the Janus POTSwap (please work with offer development). GPO – use qualified M2M plans – 250MB plan recommended for a traditional POTS replacement application. Minutes will vary.

Required SFO for Voice

81143 Access Advanced Calling

81186 Access HD Voice

81158 HD Voice

68872 Call Delivery

CRITICAL – Remove <u>any</u> voice blocks

(2) An activated 4G micro-SIM (3FF) card provided by Verizon.

III. Contents

Before beginning installation, make sure you have all the included components. The **ETP-CI-4G-V** includes:

Qty.	Part Number	Description
1	68746	ETP-CI-4G-V Cellular Interface
1	160-00049	MIMO antenna kit (includes antenna with built-in cable assembly)
2	4247	8-32 x 1/2 BH Screw
2	4248	8-32 x 5/16 Hex Nut
2	42767	#10 External Lock Washer

Copyright 2020-2021 Talk-A-Phone, LLC • 7530 North Natchez Avenue • Niles, Illinois 60714 • Phone 773.539.1100 • info@talkaphone.com • www.talkaphone.com

All prices and specifications are subject to change without notice. Talk-A-Phone, Talkaphone, bAlert, Scream Alert, WEBS, and WEBS Contact are registered trademarks of Talk-A-Phone, LLC. All rights reserved. All other trademarks mentioned in this document or website are the property of their respective owners and does not imply or indicate any approval, endorsement, sponsorship, or affiliation with such owners unless such approval, endorsement, sponsorship, or affiliation is expressly indicated.

IV. Installing the Antenna

The **ETP-CI-4G-V** Cellular Interface includes a remote-mounting MIMO antenna. The remote-mounting MIMO antenna should be attached to the Talk-A-Phone enclosure (e.g., ETP-MTE-W, ETP-MT/R-SOLAR, ETP-MT/R-PCS, etc.) via the built-in antenna mounting hole. To install the remote-mounting MIMO antenna, please follow the separate antenna mount instructions included with the remote-mounting MIMO antenna.

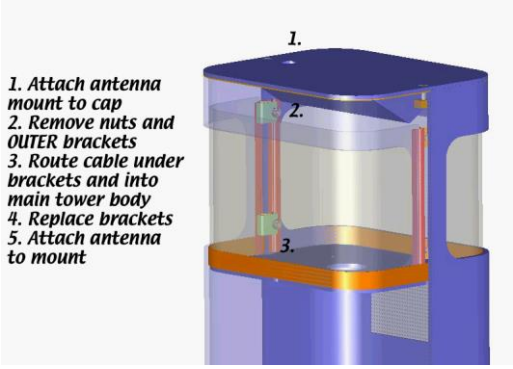

Figure 1. An example of mounting the remote-mounting MIMO antenna onto the cap of an **ETP-MT/R-PCS** tower.

The remote-mounting MIMO antenna will be connected to the **ETP-CI-4G-V** Cellular Interface through the ports listed in **Section V.2**.

V. Installing the Cellular Interface

1. The front panel of the **ETP-CI-4G-V** Cellular Interface provides the following:

   (1) Cellular signal strength indicator;
   (2) LED indicators for ***POWER***, ***STATUS, CELL***, and ***GPS***;
   (3) ***DATA*** port reserved for future use;
   (4) ***MODE*** button reserved for future use;
   (5) ***RESET*** button for rebooting the cellular interface;
   (6) ***PHONE-FXS*** port for connecting to an ETP-500 Series Phone.

Figure 2. Front panel of the **ETP-CI-4G-V** Cellular Interface.

Copyright 2020-2021 Talk-A-Phone, LLC • 7530 North Natchez Avenue • Niles, Illinois 60714 • Phone 773.539.1100 • info@talkaphone.com • www.talkaphone.com

All prices and specifications are subject to change without notice. Talk-A-Phone, Talkaphone, bAlert, Scream Alert, WEBS, and WEBS Contact are registered trademarks of Talk-A-Phone, LLC. All rights reserved. All other trademarks mentioned in this document or website are the property of their respective owners and does not imply or indicate any approval, endorsement, sponsorship, or affiliation with such owners unless such approval, endorsement, sponsorship, or affiliation is expressly indicated.

2. The rear panel of the **ETP-CI-4G-V** Cellular Interface provides the following:

   (1) Input terminal for 12VDC;
   (2) ***CELL 1*** connector for remote-mounting MIMO antenna;
   (3) ***CELL 2*** connector for remote-mounting MIMO antenna;
   (4) ***GPS*** connector for remote-mounting MIMO antenna;
   (5) ***SIM*** slot for micro-SIM (3FF) card;
   (6) ***CONFIG*** port for a mini-USB connection (for Talkaphone Technical Support purposes only).

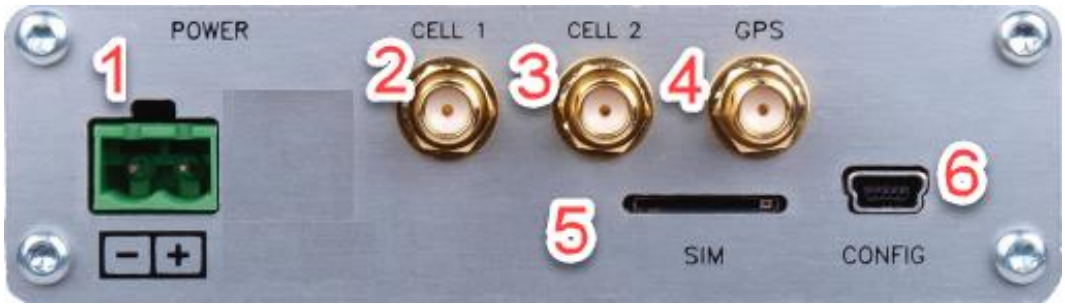

Figure 3. Rear panel of the **ETP-CI-4G-V** Cellular Interface.

3. Insert the micro-SIM (3FF) card into the slot labeled ***SIM*** (see ***Figure 3*** – ***Item 5***).

   IMPORTANT: The orientation of the micro-SIM card should be angled notch entering the slot first with the metal contacts facing down toward the mounting flanges.
4. Using a plastic spudger or a small flat head screwdriver, push the micro-SIM card into the slot until a click is heard. To remove the micro-SIM card, push the card until a click is heard and the card springs out of the slot.
5. Connect the cables from the remote-mounting MIMO antenna to the ***CELL 1, CELL 2,*** and***, GPS*** connecters (see ***Figure 3*** – ***Items 2, 3, and 4***. On the built-in cable assembly of the remote-mounting MIMO antenna, there are two (2) cables labeled ***CELL*** – connect those cables to the ***CELL 1*** and ***CELL 2*** connectors. Any of the two ***CELL*** cables can connect to either connector.
6. Connect the ETP-500 Series Phone to the ***PHONE-FXS*** port.
7. If the interface is being powered by an SLR Series (solar) kit, connect the ***LOAD*** terminals of the solar controller to the appropriate polarity markings on the ***POWER*** terminal (12VDC input) of the **ETP-CI-4G-V** Cellular Interface. Otherwise, connect a 12VDC power source appropriately with respect to polarity.
8. Using the built-in mounting flanges, attach the **ETP-CI-4G-V** Cellular Interface onto the internal mounting panel of the Talk-A-Phone enclosure (e.g., ETP-MTE-W, ETP-MT/R-SOLAR). The **ETP-CI-4G-V** Cellular Interface should be mounted so that the 12VDC input terminal is on the lower right corner (i.e. toward the Earth).

Copyright 2020-2021 Talk-A-Phone, LLC • 7530 North Natchez Avenue • Niles, Illinois 60714 • Phone 773.539.1100 • info@talkaphone.com • www.talkaphone.com

All prices and specifications are subject to change without notice. Talk-A-Phone, Talkaphone, bAlert, Scream Alert, WEBS, and WEBS Contact are registered trademarks of Talk-A-Phone, LLC. All rights reserved. All other trademarks mentioned in this document or website are the property of their respective owners and does not imply or indicate any approval, endorsement, sponsorship, or affiliation with such owners unless such approval, endorsement, sponsorship, or affiliation is expressly indicated.

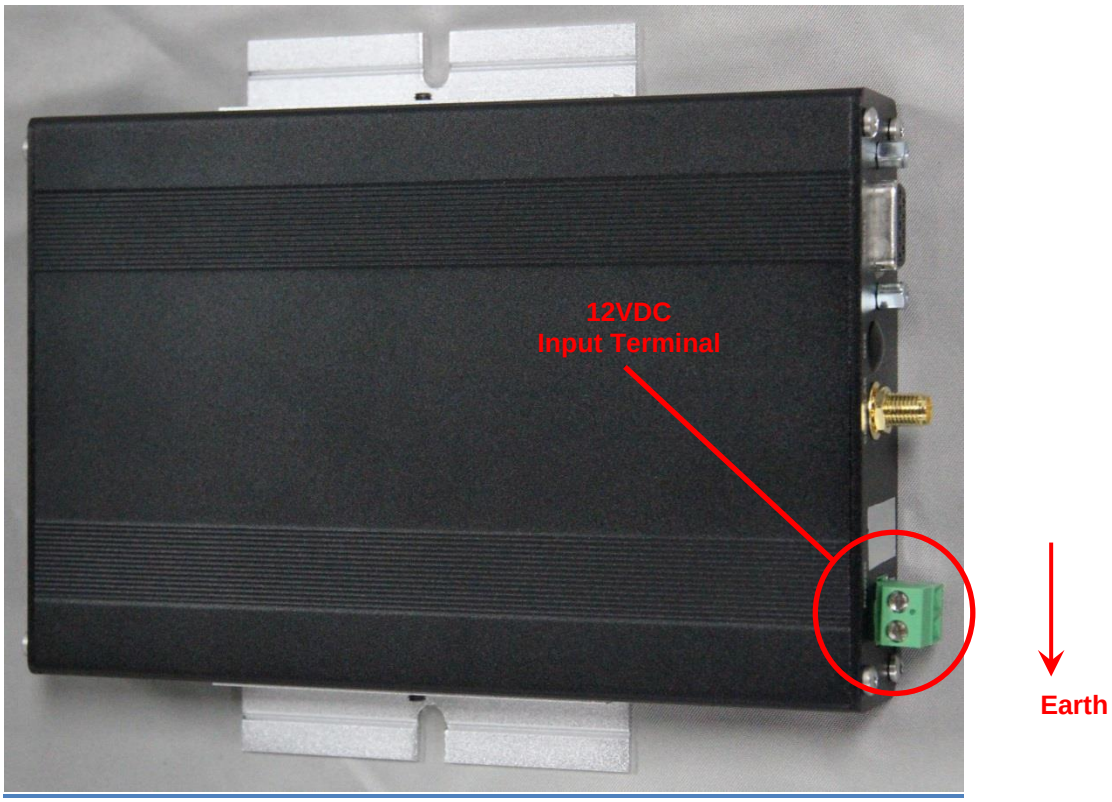

Figure 8. This photo illustrates the appropriate orientation and mounting position for the **ETP-CI-4G-V** Cellular Interface.

Copyright 2020-2021 Talk-A-Phone, LLC • 7530 North Natchez Avenue • Niles, Illinois 60714 • Phone 773.539.1100 • info@talkaphone.com • www.talkaphone.com

All prices and specifications are subject to change without notice. Talk-A-Phone, Talkaphone, bAlert, Scream Alert, WEBS, and WEBS Contact are registered trademarks of Talk-A-Phone, LLC. All rights reserved. All other trademarks mentioned in this document or website are the property of their respective owners and does not imply or indicate any approval, endorsement, sponsorship, or affiliation with such owners unless such approval, endorsement, sponsorship, or affiliation is expressly indicated.

VI. Activation of Cellular Service

Obtain an M2M voice plan from Verizon. Per the aforementioned installation instructions, install an activated micro-SIM card provided by Verizon into the **ETP-CI-4G-V** Cellular Interface.

VII. Programming the ETP-500 Series Phone

The ETP-500 Series Phone requires specific programming for operation with the **ETP-CI-4G-V** Cellular Interface. At minimum, the ETP-500 Series Phone should be programmed with the following codes:

```
* 4 **
* 13 * <Phone_Number_to_Dial> *
* 14 * 1 *
* 18 * 5 *
* 24 * 0 *
* 27 * 0 *
* 55 *
* 56 *
* 58 * <Speak_to_Record_Voice_Message>(optional)
```

For a full comprehensive list of programming codes, reference the Installation & Operation Manual for Emergency/Information Phones.

VIII. Firmware Over-the-Air (FOTA) Update for Verizon 911 Compliance

If the **ETP-CI-4G-V** Cellular Interface is manufactured prior to May 2021, a firmware over-the-air (FOTA) update will need to be carried out in order to support dialing to 911. Without this FOTA update, the ETP-500 Series Call Station will not be able to dial 911 via the **ETP-CI-4G-V**.

The FOTA update can be initiated through the following steps.

1. Power cycle the **ETP-CI-4G-V** Cellular Interface.
2. After 60 minutes of operation, the **ETP-CI-4G-V** will attempt the FOTA update.
   (1) During the FOTA update, the ***STATUS*** LED indicator will start fast blinking.
   (2) This process can take anywhere from 10 to 15 minutes depending on the signal strength.
   (3) When the FOTA update completes successfully, the ***GPS*** LED indicator will change from **green** to **red**.
3. Power cycle the unit a second time to complete the FOTA update.
4. The ***GPS*** LED indicator will illuminate **green** after the second power cycle. The GPS antenna must be connected and installed.

   If the ***GPS*** LED indicator is still **red** after the second power cycle and the GPS antenna is installed, please power cycle the unit one more time.
5. If the ***GPS*** LED indicator remains **red** after multiple power cycles, please contact Talkaphone Technical Support.

Copyright 2020-2021 Talk-A-Phone, LLC • 7530 North Natchez Avenue • Niles, Illinois 60714 • Phone 773.539.1100 • info@talkaphone.com • www.talkaphone.com

All prices and specifications are subject to change without notice. Talk-A-Phone, Talkaphone, bAlert, Scream Alert, WEBS, and WEBS Contact are registered trademarks of Talk-A-Phone, LLC. All rights reserved. All other trademarks mentioned in this document or website are the property of their respective owners and does not imply or indicate any approval, endorsement, sponsorship, or affiliation with such owners unless such approval, endorsement, sponsorship, or affiliation is expressly indicated.