**Carlson Software Inc.**
102 West 2nd Street
Maysville, KY 41056

www.carlsonsw.com
Phone: (606) 564-5028
Fax: (606) 564-6422

# Using The Internal Modem on the Viva CS15

## Install The Internet Connection Manager

*This is a simple utility distributed by Leica to allow the user to setup and use the internal modem on the CS10/CS15.*

> 1) Download the Internet Connection Manager utility here:
> http://update.carlsonsw.com/upload/file.php?id=9274&ps=16rb065lw3
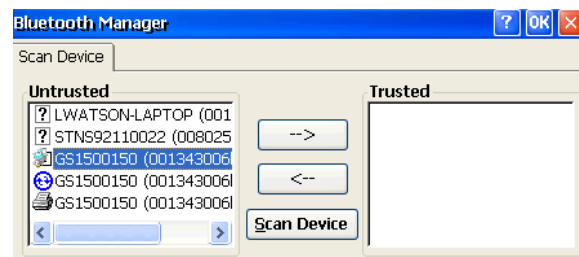> 2) Copy the cab file to the data collector, and double tap to complete the install.

## Create a BT Pan Connection

*RTK corrections will be sent to the GS15 over a Bluetooth PAN connection, which is different from the Bluetooth connection that may be used and managed by SurvCE for communication. The current version of SurvCE does not support setting up this BT PAN, so this step must be performed prior to running SurvCE.*

1) From the main Windows screen on the CS15, press the home button (the little house) to bring up the start menu.

2) Choose Settings->Control Panel, and then open Bluetooth Device Properties
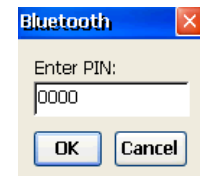
3) Press the **Scan Devices** button to search for available devices. The GS15 Bluetooth will be found three times, with three icons beside it.

The PAN Icon looks like a tiny GPS receiver (NOT the blue ActiveSync icon and NOT the gray Printer icon).
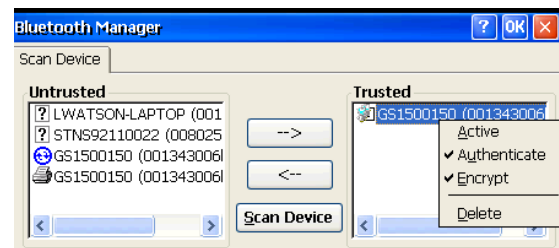
4) Tap to Highlight the 🌐 Pan Icon and press the `-->` button to move it to the Trusted side

5) Tap YES when prompted "Do you need to Authenticate device?"

6) Enter in 0000 for the "Enter Pin:" prompt and tap OK

7) Under the Trusted column = tap on this new entry then tap "Active"

8) tap OK in the upper right to close the Bluetooth Manager

9) Confirm that the PAN connection is active-- the blue LED on the CS15 and the GS15 will both turn blue

---

This document contains confidential and proprietary information that remains the property of Carlson Software Inc.

Carlson Software Inc.
102 West 2nd Street
Maysville, KY 41056

www.carlsonsw.com
Phone: (606) 564-5028
Fax: (606) 564-6422

## Setup SurvCE version 2.62 or higher

1) Run SurvCE 2.62 or higher and go into Equip / About SurvCE.

2) In SurvCE from the main menu, choose Equip->GPS Rover.

3) Under the Current tab = set it to Manufacturer: Leica and Model: Viva GS10/GS15 or GS14

4) Tap that the Comms tab and set it to Type: Bluetooth and BT Type: Windows Mobile then tap the wrenches icon and use the "Find Device" button to add your GPS Rover to the list. Tap Select then tap the Bluetooth plug icon in the upper right.

5) Tap the RTK tab and set it for Device: **Data Collector Internet**.

6) Tap the tools icon to the right of the device selection. Tap the Connect or Disconnect button to launch the Internet Connection Manager. *(NOTE: The status here seems to be unreliable. The safer way to confirm connection is to tap the button and check the Internet Connection Manager).*

7) If it is the first time using the modem, choose **Settings** in the Internet Connection Manager to setup your APN and connection settings (these will be provided by your network service provider).

8) To start a connection on the ICM, tap **Start**. Wait up to 3 minutes for connection. When it is connected, the **Start** button will become a **Stop** button. Choose **Exit** and press NO when asked if you want to close the connection.

9) The modem is now connected. Press the green check to go back to the RTK tab.

10) For Network, choose NTRIP, and press the tools icon to the right of it. Setup your NTRIP connection, and choose a base.

11) Back in the RTK tab, set your Solution Type then tap the Green Check to finish the setup.


***Please Note:** You can Exit SurvCE and power off the CS15 and GS15 when your finished.*

## To reconnect the next day:
1) Power on **JUST** the GS15/GS14 GPS Rover
2) Wait until the Bluetooth light on the GPS Rover is lit up **Green**
3) **THEN** turn on the CS15 data collector and wait a few seconds until the Bluetooth light on the data collector turns **BLUE**
4) Double-tap the "Internet Connect" icon and tap "Start" to connect to the Internet
5) Now you can double-tap SurvCE and tap "Connect to Last Bluetooth"
6) When you get to the main menu you can tap Equip / Monitor Skyplot to verify you are getting a FIXED solution

Updated 9/20/2013