

Manual

## **V2-CH Chirper Transmitters**

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# Chirper transmitters

## Introduction:

The V2 line of Chirper transmitters consists of probe attached, one-way communication devices that periodically transmit data to a system connected receiver. Incorporating unique identifiers and working in the lower frequency 418/433MHz frequency band, Chirper transmitters are ideal for the crowded lab environments found in today's businesses.

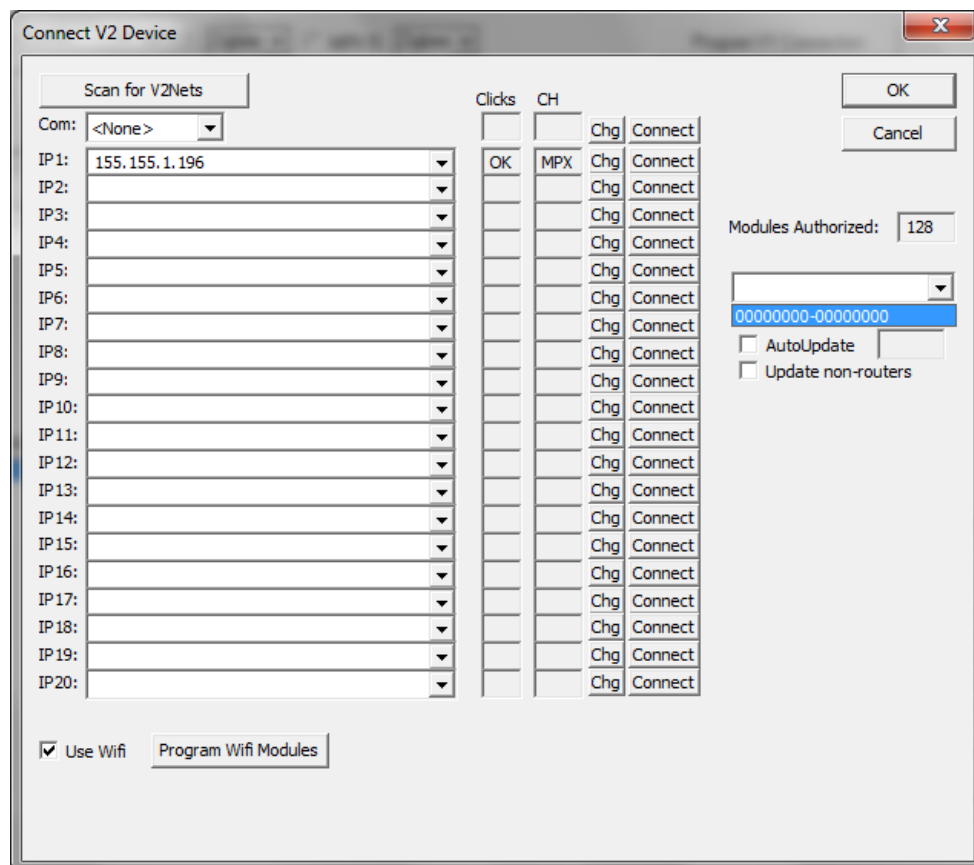
## Connecting a Chirper Base to the System

Before an endpoint Chirper transmitter can be connected to the system, the other end of the line, a chirper receiver, must be attached to the system. Whether you are connecting a BASE-Net, BASE-Zigbee, or any other Chirper base to the system refer to the standalone instructions regarding these components for system installation.

## Connecting a Chirper Transmitter to the System

Once a Chirper base has been added to the system the addition of a specific transmitter is as easy as selecting it from the drop-down list. In the figures below the BASE receiver is connected on IP: **155.155.1.196**

- 1) Select the Chirper Base MPX selection module from the drop-down list



- 2) Each Chirper Base can support up to 16 Chirper transmitters. Select the Chirper Base designation number from the input list in the upper-left-hand corner.

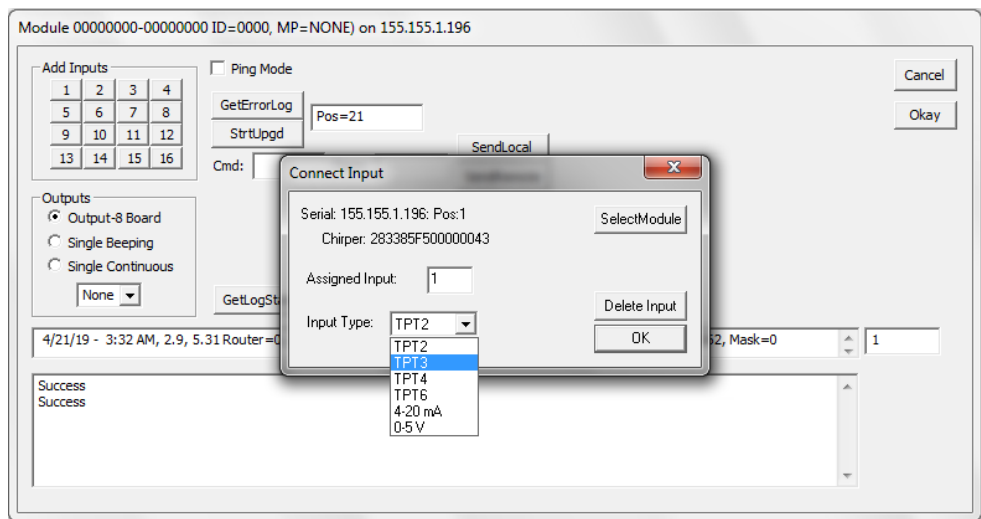
**Note:** The Chirper Base designation number is not the same as an input number on the system and only serves as a means of organization for a specific Chirper Base. Once a module has been selected you can assign an input number to it on the system.

The screenshot shows a configuration window titled "Module 00000000-00000000 ID=0000, MP=NONE) on 155.155.1.196". It features a 4x4 grid of input buttons labeled 1 through 16. To the right of the grid are buttons for "GetErrorLog", "StrtUpd", "Cmd:", "Parm:", "SendLocal", and "SendRemote". Below the grid is a section for "Outputs" with radio buttons for "Output-8 Board", "Single Beeping", and "Single Continuous", and a "None" dropdown. A "GetLogStats" button is also present. At the bottom, there is a large text area and a small input field with the value "0".

- 3) Use the serial number on the side of the Chirper transmitter to select it from the drop-down list.

This screenshot shows the same configuration window as above, but with a "Select Input Source" dialog box open in the foreground. The dialog box has a "Select Chirper Input:" label and a list of 16 entries, each showing a hexadecimal ID and associated data (e.g., "288DB3F50000004F: avgdelay=1089 secs, chirptime=1305, reads fbe, position=1"). The entry "283389F500000043: avgdelay=1089 secs, chirptime=1305, reads fe1, position=5" is highlighted. The dialog box also includes checkboxes for "Use Module's Wired Input" and "Disconnect selected Chirper", and "OK" and "Cancel" buttons. In the background, the "Pos=22" field is visible, and the "SendLocal" button is highlighted.

4) Assign an input number and probe type to the transmitter.



Once a module has been added to the system it behaves like any other input. Use the Workstation software to further program the input for alarms and reporting.

FCC ID: IFDRSCH

The enclosed device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions (i.) this device may not cause harmful interference and (ii.) this device must accept any interference received, including interference that may cause undesired operation.