IP-223 Tx Group Port Programming

The C-Soft Tx Group Select is used to do a simultaneous transmission on several Telex Radio Channels at the same time. However, this can have a serious impact on the RoIP Network.

In the case where a traditional Group Select Button is used, this will cause a flood of Multicast Packets (50 packets/second/line) on the RoIP Network. This can interrupt normal Network operations.

To address this situation the Tx Group Port is used where you have a large number of radio lines to transmit on simultaneously and have limited bandwidth on the RoIP Network.

IP-223 Configuration
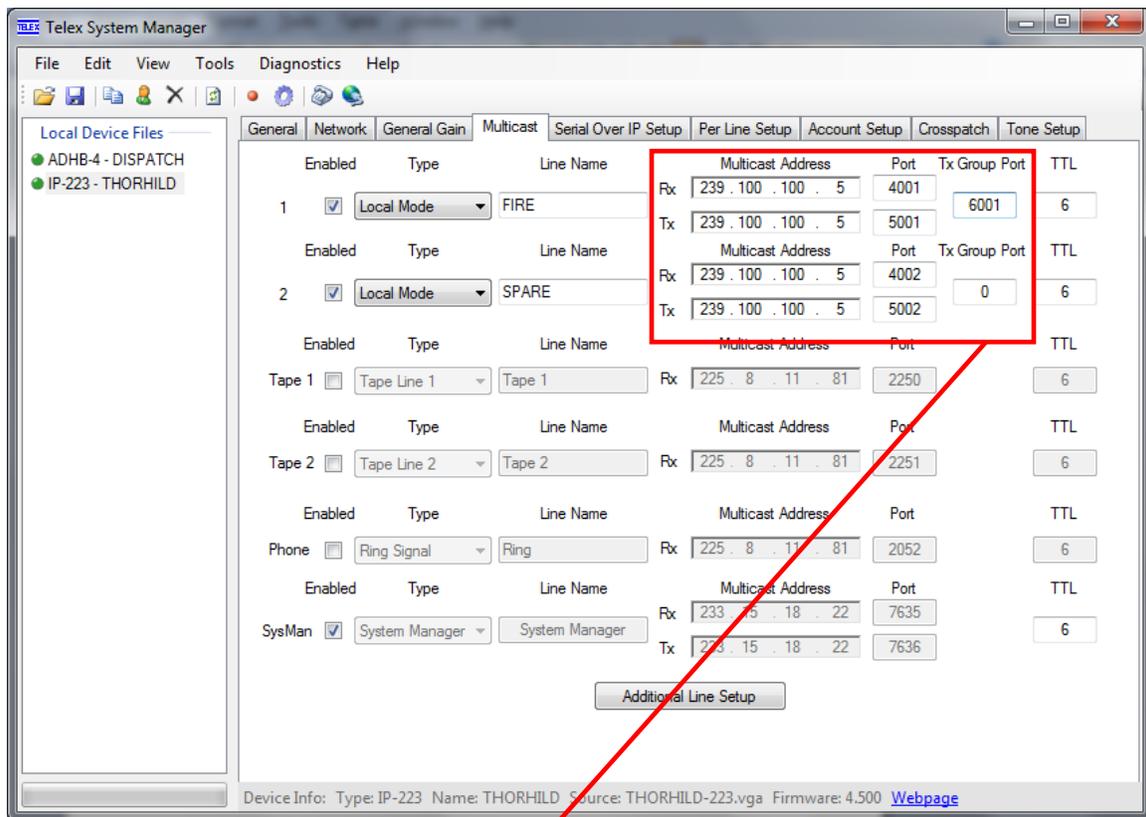
The Tx Group Port is available on every IP-223 Radio Line. It is tied to the Tx Multicast Address

To use the Tx Group Port:

1. Set the Tx Group Port to an unused Telex Port Number (6001 in my example) in each IP-223 to be included in the Group.

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2. Create a corresponding Telex Line in a C-Soft Console

3. Add a Select Button or a Per-Line-PTT Button to the C-Soft Console that corresponds to the Telex Line just configured (Telex Line 3 in my example) Make sure that the Tx Multicast Address and Tx Port match the settings in the IP-223.

C-Soft Per Line Parameters
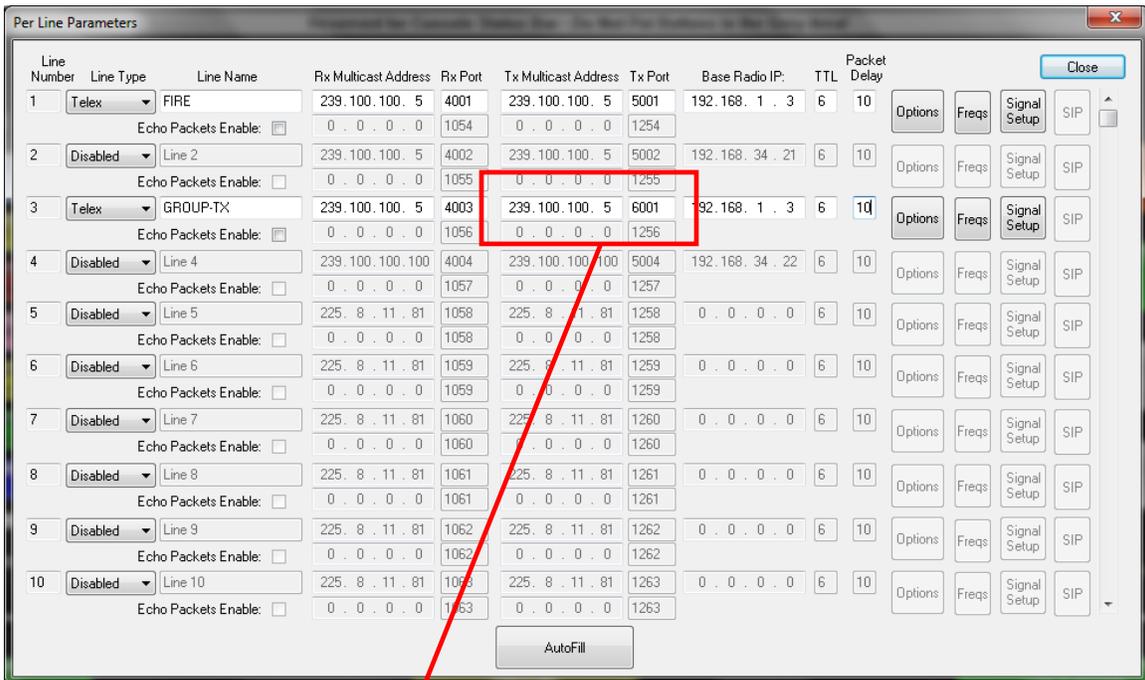
The Tx Multicast Address and the Tx Port are all that are important in the C-Soft Console. This Radio Line does not require a Select Button or a Volume Control, it is a Transmit only channel. However if you plan to use a headset or desk microphone, a Select Button is needed to "Select" the line for Tx.

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