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.

Telex System Manager											
File Edit View Tools	Diagnostics Help										
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Local Device Files	General Network General Gain M	Iulticast Serial Over IP S	Setup Per Line Setup Account	Setup Crosspatch Tone Setup							
ADHB-4 - DISPATCH IP-223 - THORHILD	Enabled Type	Line Name	Multicast Address	Port Tx Group Port TTL							
• 1 ·223 · 110111120	1 🔽 Local Mode 💌	FIRE	Hx 239.100.100.5	6001 6							
	Enabled Type	Line Name	Multicast Address	Port Tx Group Port TTL							
	2 🔽 Local Mode 🔻	SPARE	Rx 239.100.100.5	4002 0 6							
	Fachlad Trac	Line News	Tx 239.100.100.5	5002							
	Tape 1 Tape Line 1	Tape 1	Bx 225 8 11 81	2250 6							
		Tupe 1									
	Enabled Type	Line Name	Multicast Address	Pot TTL							
	Tape 2 Tape Line 2 🔻	Tape 2	Rx 225.8.11.81	2251 6							
	Enabled Type	Line Name	Multicast Address	Port TTL							
	Phone 🔲 Ring Signal 👻	Ring	Rx 225.8.11.81	2052 6							
	Enabled Type	Line Name	Multicast Address	Port TTL							
	SysMan 💟 System Manager 👻	System Manager	Rx 233. 5 . 18 . 22	7635 6							
			IX 23.13.10.22	7030							
	Additional Line Setup										
	Device Info: Type: IP-223 Name: T	HORHILD Source: TH	ORHILD-223.vga Firmware: 4.5	00 Webpage							

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.

- 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

er Line	Paramete	rs				Inter Dor Do No.	Per la	Anna is the first	-	-					×
Line Numb	er Line T	/pe	Line Name	Rx Multicast Address	Rx Port	Tx Multicast Address	Tx Port	Base Radio IP:	TTL	Packet Delay				Clos	e
1	Telex	-	FIRE	239.100.100.5	4001	239.100.100.5	5001	192.168.1.3	6	10	Options	Freas	Signal	SIP	-
		Ecł	no Packets Enable: 📃	0.0.0.0	1054	0.0.0.0	1254						Setup		
2	Disabled	-	Line 2	239.100.100.5	4002	239.100.100.5	5002	192.168.34.21	6	10	Options	Freas	Signal	SIP	
		Ecł	no Packets Enable: 📃	0.0.0.0	1055	0.0.0.0	1255			_			Setup		
3	Telex	-	GROUP-TX	239.100.100.5	4003	239.100.100.5	6001	1 <mark>92.168.1.3</mark>	6	10	Options	Freqs	Signal	SIP	
		Ecł	no Packets Enable: 📃	0.0.0.0	1056	0.0.0.0	1256						Setup		
4	Disabled	•	Line 4	239.100.100.100	4004	239.100.100/100	5004	192.168.34.22	6	10	Options	Freas	Signal	SIP	
		Ect	no Packets Enable: 📃	0.0.0.0	1057	0.0.0.0	1257			_			Setup		
5	Disabled	•	Line 5	225. 8 . 11 . 81	1058	225.8.1.81	1258	0.0.0.0	6	10	Options	Freqs	Signal	SIP	
_		Ecł	no Packets Enable:	0.0.0.0	1058		1258								
Б	Disabled	-		225.8.11.81	1059	225. 9.11.81	1259	0.0.0.0	Б	10	Options	Freqs	Signal Setup	SIP	
7		EC	ho Mackets Enable:	0.0.0.0	1000		1200			10					
(Disabled	- T = I	Line 7		1060		1260		ь	10	Options	Freqs	Signal Setup	SIP	
•	Distant.	EUr	line 0	225 0 11 01	1000	025 0 11 01	1200			10					
•	Disabled	- Eol	a Paakata Enabla:		1061		1261] 0.0.0.0	•	10	Options	Freqs	Signal	SIP	
0	Distant	EG		225 0 11 01	1002	225 0 11 01	1262		E	10					
3	Disabled	Eck	De Backete Enable:		1062		1262] 0.0.0.0	0		Options	Freqs	Setup	SIP	
10	Disabled	-	Line 10	225 8 11 81	1068	225 8 11 81	1263		6	10			Gianal		
	Disabled	Ecł	no Packets Enable:	0.0.0.0	1163	0.0.0.0	1263				Options	Freqs	Setup	SIP	-
					1		1								
						AutoFill									
				/											_

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.