

ANYWAVE

TSoIP Module User Manual Version 1.1



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1. Connections

The (optional) TSoIP module enables the Exciter to receive a transport stream through an IP network. Connect your IP stream to the Exciter rear panel TSoIP RJ-45 rear port connection as shown below.

1) Connect to the TS IP network by connecting the TSoIP RJ45 port on the Exciter back panel.



The TSoIP module converts the IP stream to ASI and feeds the corresponding ASI stream back out the exciter rear panel TSoIP OUT BNC connector. Connect a BNC-to-BNC jumper cable to bring this ASI stream back into the Exciter at the desired ASI input as shown below.

2) Connect the TSoIP OUT BNC port to TS IN 1A or TS IN 1B on the back panel through a RF cable with 2 BNC male connectors



3) In the Exciter TS and MISC submenus below, you will next need to configure the Exciter TSoIP module settings (including the physical layer IP/Mask/Gateway settings as well as the specific method of how the transport packets should be received in the Exciter) to be consistent with your upstream TS IP network.



2. TS Menu Settings

To enter the User Menu, press *both* the "Left" and "Right" buttons *at the same time* while in query mode. The User Menu in control mode is shown below in Table 1.

Table 1 Main Menu						
Welcome to setting interface!						
SYSTEM	RF	FREQ	NET	MODE	CONFIG	*TS

The Main User Menu consists of 6 sub-menus: SYSTEM, RF, FREQ, NET, MODE, CONFIG and TS

Once at the main menu, press the "Left" or "Right" buttons to move the cursor. Once the cursor is positioned just above sub-menu TS, press the "OK" button to enter the "TS" sub-menu. When in the corresponding sub-menu, press "Left" or "Right" button to move the cursor to the target parameter and then press the "Up" or "Down" buttons to select different options from the drop-down boxes. Once you have selected the desired option, *press the "OK" button to apply and save, or press the "ESC" button to skip the changes and return to the upper menu.*

All the parameters of TS sub-menus are shown in Tables 2 through Tables 3 respectively.

Welcome to TS_NET interface!					
	IP	MASK	GATE	MUTI	MISC
Default	192.168.001.200	255.255.255.000	192.168.001.001	235.100.001.001	
Options	*** *** *** ***	*** *** *** ***	*** *** *** ***	*** *** *** ***	

 Table 2 TSoIP Network Menu

Note:

1) The "IP" submenu defines the physical IP address of TSoIP module

- 2) The "MASK" submenu defines the network mask of TSoIP module
- 3) The "GATE" submenu defines the network gateway/route of TSoIP module
- 4) The "MUTI" submenu defines the multicast address of the TSoIP module; this will only be valid when TSoIP module is set to multicast (TYPE set to MULTI under MISC submenu) mode.
- 5) The "MISC" submenu defines the miscellaneous settings of the TSoIP module, see Table 3



3. MISC Menu Configuration

	PORT	TYPE	LEN	PROTOCOL
Default	04321	MULTI	188	UDP
Options	****	UNI	204	RTP

Table 3 MISC Menu

Note:

- 1) The "PORT" parameter specifies the UDP or RTP port from which to receive the transport packets
- 2) The "TYPE" parameter specifies in which method the transport packets are received, MULTI refers to multicast; UNI refers to unicast
- 3) The "LEN" parameter specifies the transport packets length in bytes, choices are 188 or 204
- 4) The "PROTOCOL" parameter specifies the internet protocol used to transport the packets, the supported protocols are UDP or RTP





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