

Evertz 7700PTX-CTP Translator (MVP/ VIP) — Panel

Requirements

- Serial Tally Software Option
- Serial Interface Cable (DB9 to Phoenix Terminal Block).
- The indicated pinouts are for **Port 1** on the Phoenix Terminal Block. Refer to the 7700PTX-CTP documentation for pinouts for Ports 2, 3, and 4.

Port Connections

	Switcher		Serial Tally
Communications	REMOTE Port (female)	⇒	RS-232/422 DATA

Pinouts

Switcher	7700PTX-CTP
2 (Rx-)	n/c (Tx-)
3 (Tx+)	4 (Rx+)
7 (Rx+)	n/c (Tx+)
8 (Tx-)	2 (Rx-)

Switcher Setup

1. Press **HOME** ⇒ **Setup** ⇒ **Installation** ⇒ **Com Setup** ⇒ **Type**.
 - Use the **Com Port** knob to select the **REMOTE X** port that you connected the 7700PTX-CTP to.
 - Use the **Device** knob to select **Serial Tally**.
2. Press **Select Device**.
 - Use the **Device** knob to select **Contrib**.
3. Press **Com Type**.
 - Use the **Type** knob to select **RS-422** (default).
4. Press **Com Settings**.
 - Use the **Baud** knob to select **115200** (default).
 - Use the **Parity** knob to select **NONE** (default).
5. Press **Extra Options**.

Extra Options	Value
Rate	26 (default)

Extra Options	Value
Data Txfr	Complete (default)
Start	None (default)
At Black	All Off (default)
Source Name	Bnc Name (default)
Slot 1 - PGM	See Slot Settings

6. Press **HOME** ⇒ **Confirm**.

Slot Settings

	Slot 1	Slot 2	Slot 3	Slot PGM
1 MLE Switcher	2	3	4	1
2 MLE Switcher	3	4	1	2
3 MLE Switcher	4	1	2	3
4 MLE Switcher	1	2	3	4

Device Setup

- The Evertz 7700PTX-CTP Translator must be set up to communicate with the Evertz VIP™ over TCP/IP.

7700PTX-CTP Setup

1. Connect a computer to the 7700PTX-CTP using the Evertz supplied serial cable via the 4-pin UPGRADE connector.
2. Use PuTTY (or HyperTerminal) to connect to the 7700PTX-CTP at 115200 Baud.
3. From the **Main Menu** of the 7700PTX-CTP, press **(1) Network Configuration**.
4. Enter the required **IP Address**, **Subnet Mask**, and **Gateway**.
5. Press **(S) Save and Exit**.
6. From the **Main Menu** of the 7700PTX-CTP, select **(2) Serial Port Setup**.
7. For the serial **Port** that is connected to the switcher, select the following parameters:
 - **Baud Rate** — **115200**
 - **Data Bits** — **8**
 - **Parity** — **NONE**
 - **Stop Bits** — **1**
 - **Standard** — **RS-422**



8. Press **(S) Save and Exit**.
9. From the **Main Menu** of the 7700PTX-CTP, select **(3) Contribution Tally Protocol Settings Setup**.
10. Select the following parameters:
 - **VGPI Image Video Dsp Id — 500**
 - **VGPI Refresh Count — 750**
 - **Program Output Number — 5**
 - **Program VGPI Offset — 0**
 - **Tx Program UMD — n**
 - **Program UMD Dsp Id — 129**
 - **Preview Output Number — 6**
 - **Preview VGPI Offset — 100**
 - **Tx Preview UMD — n**
 - **Preview UMD Dsp Id — 130**
 - **Tx Source Names — y**
 - **Src Names Refresh Count — 750**
 - **Src Names Dsp Id Offset — 0**
 - **Include Non-Physical Sources with VPGIs and Source Names — n**
11. Press **(S) Save and Exit**.
12. From the **Main Menu** of the 7700PTX-CTP, select **(4) Under Monitor Display Peer Setup**.
13. Select **UMD Peer Setup via Ethernet 1**.
14. Enter the **IP Address** and **TCP Port** for the **MVP/VIP** that the 7700PTX-CTP is connecting to.
15. Press **(S) Save and Exit**.
16. Restart the 7700PTX-CTP to apply the settings.

MVP/VIP Setup

- The **MVP/VIP Maestro** application must be configured so that the **UMD Labels** and **Tally indicators** are set for **Protocol Id**, and the correct **PID** or **VGPI** is used.

Compatibility

Serial Tally	Version
Evertz 7700PTX-CTP Translator	--
Switchers	
Synergy 1 SD	--
Synergy Series SD	--
Synergy MD/X	--

Switchers	
Vision MD/X	--
Vision QMD/X	12.1a
Vision MultiPanel Support	--
Automation	
OverDrive	--
Port Expanders	
BSS4	✓
Control DeviceMaster	✓