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

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	PERIPH Port (female)	⇨	RS-232/422 DATA

Pinouts

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

Switcher Setup

1. Press **HOME** ⇨ **Setup** ⇨ **Installation** ⇨ **Com Setup** ⇨ **Type**.
   - Use the **Com Port** knob to select the **PERIPH *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 Null**.
4. Press **Com Settings**.
   - Use the **Baud** knob to select **115200**.
   - Use the **Parity** knob to select **NONE**.
5. Press **Extra Options**.

Extra Options	Value
Rate	26 (default)
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	--
Vision MD/X	--
Vision QMD/X	12.1a
Vision MultiPanel Support	--
Automation	
OverDrive	--
Port Expanders	
BSS4	✖
Comtrol DeviceMaster	✖