Getting Started.....

SCTE CONTROL
On the GTP-32 Control Processor

Rev 1.0 111414

GETTING STARTED……

A quick guide to configuring the GTP-32 to generate SCTE commands. A serial or Ethernet connection from the GTP-32 to the SCTE Inserter is required.

1. On the DNF Web page, navigate to the **Protocol Assignment** page link located at the top left of the DNF header.

2. Click on the **Edit Protocol Assignment Table** link and select the correct physical connector, channel label and protocol.

   Physical Connector: On Control Channel 1, 2, 3 or 4, in the Physical Connector column, select Serial or Ethernet.

   Channel Label: Enter a label that will easily identify what the channel is controlling. Enter 1 – 15 alphanumeric characters.

   Control Protocol: Select "scte" in the drop down menu

Example:

PROTOCOL ASSIGNMENT TABLE

Channel	Physical Connector	Channel Label	Control Protocol	Control Function	List Config	Device Config	PHY Config	Definitions	Current Group (First..Last)	Status
1	Ethernet	label1	Unassigned	N/A Ch Type	N/A	Unassigned	N/A	N/A	0 0..0	No Comm
2	Serial_2	label2	Unassigned	N/A Ch Type	N/A	Unassigned	N/A	N/A	0 0..0	No Comm
3	Ethernet	SCTE Inserter	scte	Ch Type: Other	N/A	View Edit Heartbeat Rate	View Edit	Action Definitions	0 0..0	No Comm
4	Serial_4	label4	Unassigned	N/A Ch Type	N/A	Unassigned	N/A	N/A	0 0..0	No Comm

3. Navigate back to the **Protocol Assignment** page and click on Edit under the "PHY Config" column, on the SCTE control channel, to configure the serial or Ethernet connection.

Ethernet:

Enter the IP address and Port number of the SCTE Inserter that the GTP-32 will send commands to.

Ethernet PHY Configuration

Save   Done

Channel	IP Address	Port
3	0.0.0.0	0

Serial:

Enter the Baud Rate, Number of Stop Bits, Parity, and Character Size(Data bits) to match the SCTE Inserter settings.

Set Operation Mode to Controller. (Assumes SCTE Inserter serial port is Device / Slave type).

Set Interface Type to RS422 or RS232 to match SCTE Inserter. If RS232 is selected, Operation Mode is not used and port is configured as DTE. A NULL modem may be required. Check SCTE Inserter port configuration.

Serial PHY Configuration

Save   Done

Channel	Baud Rate	Stop Bit	Parity	Char Size	Operation Mode	Interface Type
3	38400	1	ODD	8	CONTROLLER	RS422

NOTE- The Protocol Assignment page Status column will show "Connected" when the GTP-32 successfully connects to and communicates with the SCTE Inserter.

4. Navigate back to the **Protocol Assignment** page and click on Edit under the "Device Config" column, on the SCTE control channel, to configure the DPI PID Index and AS Index.

CH 3 EDIT SCTE 104 Message Fields

DPI PID INDEX	AS INDEX
0	1

SAVE   Done

5. Navigate back to the **Protocol Assignment** page and click on Heartbeat Rate under the "Device Config" column, on the SCTE control channel, to set the status polling rate. The recommended setting is "5 seconds".

Done
Status Polling
5 seconds ∨
Save   Done

6. Navigate back to the **Protocol Assignment** page and click on Action Definitions under the "Definitions" column, on the SCTE control channel, to create SCTE

SCTE ACTION Definitions Table

Correct Javascript Version: 01/31/14-1   Currently loaded file is: Table changed and not backed up

Action Label	Action Description	DPI PID Index (Device Config)	AS Index (Device Config)	opID1	opID2	opID3	opID4	opID5
There are no entries in the table								

Add / Edit / Delete / Backup / Restore

commands.

Click on Add to create a multi-operation SCTE command.

Add Entry to SCTE ACTION Definitions Table

Action Label	Action Description
SA_3_	
DPI PID Index	**AS Index**
0	1

Build SCTE Multi-Operation Command by Selecting Component Commands				
Select SCTE Command ∨	Select SCTE Command ∨	Select SCTE Command ∨	Select SCTE Command ∨	Select SCTE Command ∨

Enter a unique Action Label.

Enter an action description to easily identify the purpose of the command.

The DPI PID Index and AS Index reflect values entered in Device Configuration.

Select up to 5 SCTE OP IDs to include in command.

END