

This document provides additional assistance with wiring your Extron IP Link Pro Control Processor to your device. Different components may require a different wiring scheme than those listed below.

For complete operating instructions, refer to the user's manual for the specific IP Link Pro Control Processor or the documentation supplied by the manufacturer of the controlled device.

For more information on using Global Scriptor Modules, refer to the "[Guide to Using Scriptor Modules](#)" document.

Device Specifications

Device Type: Streaming Media
Manufacturer: Extron
Firmware Version: N/A
Model(s): SMP 351, SMP 351 3G-SDI, SMP 352, SMP 352 3G-SDI

Tested on the Following Software and Firmware Versions

IP Link Pro Control Processor Firmware	Global Scriptor Version
3.01.0000-b010	2.1.0

Version History

Module Version	Date	Notes
1_16_3_0	2/5/2019	<ul style="list-style-type: none">• Removed unsupported preset numbers,• Added Audio Only Recording,• Updated maximum Active Layout preset numbers supported to 16.• Updated GOP length command to allow the type of stream to be selected.• Updated HDCP Input status value names.• Updated Metadata "Type" value Created to Presenter.• Updated Metadata Status "Type" value Created to Presenter.• Fixed RCP 101 Executive mode command syntax.• Added Remaining Front USB Storage functionality.

Global Scripter Module Communication Sheet

Revision: 2/5/2019

		<ul style="list-style-type: none"> Added Remaining Internal USB Storage functionality.
1_15_0_0	10/3/2018	Fixed AudioOutputGain status. Renamed AudioInputGain command parameter 'Audio Channel' to 'Analog Channel'. Renamed AudioMuteInput command parameter 'Audio' to 'Analog'.
1_14_0_0	8/7/2018	Removed Date and Identifier states from Metadata command (supports status only) and removed Location state from Metadata Status command (not supported per API). Added RTSP Stream URL status. Removed extra space after SMP 352 model names. Added commands based on the new firmware: Eject USB Storage, Backup RTMP Status, HDMI Audio Mute, HDMI Video Mute, Layout Preset Status, Primary RTMP Status, RCP 101 Executive Mode, Recall Layout Confidence Dual. Removed EDID command. Fixed Metadata Status.
1_8_4_0	10/9/2017	Updated module to Rev. B.
1_8_0_1	3/21/2017	Fixed Metadata Status.
1_8_0_0	2/27/2017	Added Unit qualifier to Remaining Free Disk Space. Added Active Layout Preset status.
1_7_3_0	1/26/2017	Fixed response feedback for File Destination when USB drive is not inserted. Fixed response feedback for Metadata Status. Fixed Record Destination.
1_7_0_0	10/31/2016	Added SMP 352 models. Removed parameter for Audio Bitrate. Renamed Input parameter for Video Bitrate, Bitrate Control, and Stream Control to Stream. Renamed Type parameter for Recall Encoder Preset to Stream. Added Record Dual Control, Encoder and Record Destination command. Fixed InputA and InputB Update command. Fixed Alarm status.
1_4_0_0	9/19/2016	Removed Audio Gain and added Audio Input Gain and Audio Output Gain. Added String qualifier to Metadata. Fixed HDCP Status.
1_3_0_0	3/24/2016	Initial Version

Module Notes

- Unidirectional variable must be set to 'True' if status is not required. Default value is 'False'.
Example: `InterfaceName.Unidirectional = 'True'`
- connectionCounter variable must be set to the number of queries that will be sent to the device before displaying 'Disconnected' if no response is received. Default value is 15.
Example: `InterfaceName.connectionCounter = 5`
- If login credentials are required, devicePassword must be set accordingly.
Example: `InterfaceName.devicePassword = 'extron'`
- These commands will only work with SMP 351 models with a LinkLicense upgrade and SMP 352 models.
 - Archive B (Stream Control command)
 - Encoder Mode: Composite/Dual
 - Record Dual Channel Mode

Supported Classes and Examples

SerialClass
<code>InterfaceName = ModuleName.SerialClass(ProcessorName, 'COM1', Model='SMP 351')</code>
SerialOverEthernetClass
<code>InterfaceName = ModuleName.SerialOverEthernetClass('192.168.254.254', 2001, Model='SMP 351')</code>
EthernetClass
<code>InterfaceName = ModuleName.EthernetClass('192.168.254.254', 23, Model='SMP 351')</code>

Control Commands

Format with Qualifier:

```
InterfaceName.Set(Command, Value, {'Qualifier Key': 'Qualifier Value'})
```

Format without Qualifier:

```
InterfaceName.Set(Command, Value)
```

Command AspectRatio	Value 'Fill'	Value 'Follow'	Value 'Fit'
Qualifier Key 'Input'	Qualifier Value '1' – '4' ¹	Qualifier Value '1' – '5' ²	
# AspectRatio example InterfaceName.Set('AspectRatio', 'Fill', {'Input': '1'})			
Command AudioBitrate	Value '80' '192'	Value '96' '256'	Value '128' '320'
# AudioBitrate example InterfaceName.Set('AudioBitrate', '80')			
Command AudioInputGain	Value -18 to 24 in steps of 1		
Qualifier Key 'Type'	Qualifier Value 'Analog Channel A (L)' 'Digital Channel A (R)' 'Digital Channel B (L)'	Qualifier Value 'Analog Channel A (R)' 'Analog Channel B (L)' 'Digital Channel B (R)'	Qualifier Value 'Digital Channel A (L)' 'Analog Channel B (R)'
# AudioInputGain example InterfaceName.Set('AudioInputGain', 24, {'Type': 'Analog Channel A (L)'})			
Command AudioMuteInput	Value 'On'	Value 'Off'	
Qualifier Key 'Type'	Qualifier Value 'Analog'	Qualifier Value 'Digital'	
Qualifier Key 'Channel'	Qualifier Value 'A'	Qualifier Value 'B'	
Qualifier Key 'L/R'	Qualifier Value 'Left'	Qualifier Value 'Right'	
# AudioMuteInput example InterfaceName.Set('AudioMuteInput', 'On', {'Type': 'Analog', 'Channel': 'A', 'L/R': 'Left'})			

Global Scripter Module Communication Sheet

Revision: 2/5/2019

Command	Value	Value	
AudioMuteOutput	'On'	'Off'	
Qualifier Key	Qualifier Value	Qualifier Value	
'L/R'	'Left'	'Right'	
# AudioMuteOutput example InterfaceName.Set('AudioMuteOutput', 'On', {'L/R': 'Left'})			
Command	Value	Value	
AudioOnlyRecording	'Enable'	'Disable'	
# AudioOnlyRecording example InterfaceName.Set('AudioOnlyRecording', 'Enable')			
Command	Value		
AudioOutputGain	-100 to 0 in steps of 1		
Qualifier Key	Qualifier Value	Qualifier Value	
'Type'	'Output (L)'	'Output (R)'	
# AudioOutputGain example InterfaceName.Set('AudioOutputGain', 0, {'Type': 'Output (L)'})			
Command	Value		
AutoImage	None		
Qualifier Key	Qualifier Value	Qualifier Value	
'Channel'	'A'	'B'	
# AutoImage example InterfaceName.Set('AutoImage', None, {'Channel': 'A'})			
Command	Value	Value	Value
BitrateControl	'VBR'	'CVBR'	'CBR'
Qualifier Key	Qualifier Value	Qualifier Value	Qualifier Value
'Stream'	'Archive A'	'Archive B'	'Confidence A'
# BitrateControl example InterfaceName.Set('BitrateControl', 'VBR', {'Stream': 'Archive A'})			
Command	Value		
ChapterMarker	None		
# ChapterMarker example InterfaceName.Set('ChapterMarker', None)			
Command	Value	Value	Value
EjectUSBStorage	'All'	'USB Front'	'USB Rear'
	'USB RCP'		
# EjectUSBStorage example InterfaceName.Set('EjectUSBStorage', 'All')			
Command	Value	Value	
Encoder	'Composite'	'Dual'	
# Encoder example InterfaceName.Set('Encoder', 'Composite')			

Global Scripter Module Communication Sheet

Command ExecutiveMode	Value 'Off' 'Recording Control Only'	Value 'Complete Lock Out'	Value 'Menu Lock Out'
# ExecutiveMode example InterfaceName.Set('ExecutiveMode', 'Off')			
Command GOLength	Value 1 – 300		
Qualifier Key 'Stream'	Qualifier Value 'Archive A'	Qualifier Value 'Archive B'	Qualifier Value 'Confidence A'
# GOLength example InterfaceName.Set('GOLength', 300, {'Stream': 'Archive A'})			
Command HDMIAudioMute	Value 'On'	Value 'Off'	
# HDMIAudioMute example InterfaceName.Set('HDMIAudioMute', 'On')			
Command HDMIVideoMute	Value 'On'	Value 'Off'	
# HDMIVideoMute example InterfaceName.Set('HDMIVideoMute', 'On')			
Command Input3Format	Value 'YUVp/HDTV'	Value 'YUVi'	Value 'Composite'
# Input3Format example InterfaceName.Set('Input3Format', 'YUVp/HDTV')			
Command InputA	Value '1' – '2'		
# InputA example InterfaceName.Set('InputA', '1')			
Command InputB	Value '3' – '4' ¹	Value '3' – '5' ²	
# InputB example InterfaceName.Set('InputB', '3')			
Command Metadata	Value 'Contributor' 'Description' 'Publisher' 'Source' 'Type'	Value 'Coverage' 'Format' 'Relation' 'Subject' 'System Name'	Value 'Presenter' 'Language' 'Rights' 'Title' 'Course'
Qualifier Key 'Metadata String'	Qualifier Value 'String'		
# Metadata example InterfaceName.Set('Metadata', 'Contributor', {'Metadata String': 'String'})			

Global Scripter Module Communication Sheet

Command RCP101ExecutiveMode	Value 'On'	Value 'Off'	
# RCP101ExecutiveMode example InterfaceName.Set('RCP101ExecutiveMode', 'On')			
Command RecallEncoderPreset	Value '1' – '32'		
Qualifier Key 'Stream'	Qualifier Value 'Archive A'	Qualifier Value 'Archive B'	Qualifier Value 'Confidence A'
# RecallEncoderPreset example InterfaceName.Set('RecallEncoderPreset', '1', {'Stream': 'Archive A'})			
Command RecallLayoutConfidenceDual	Value '1' – '10'		
# RecallLayoutConfidenceDual example InterfaceName.Set('RecallLayoutConfidenceDual', '1')			
Command RecallLayoutPreset	Value '1' – '16'		
Qualifier Key 'Inputs'	Qualifier Value 'With Inputs'	Qualifier Value 'Without Inputs'	
# RecallLayoutPreset example InterfaceName.Set('RecallLayoutPreset', '1', {'Inputs': 'With Inputs'})			
Command RecallUserPreset	Value '1' – '16'		
Qualifier Key 'Channel'	Qualifier Value 'A'	Qualifier Value 'B'	
# RecallUserPreset example InterfaceName.Set('RecallUserPreset', '1', {'Channel': 'A'})			
Command Record	Value 'Start'	Value 'Stop'	Value 'Pause'
# Record example InterfaceName.Set('Record', 'Start')			
Command RecordControl	Value 'Enable'	Value 'Disable'	Value 'Enable Dual'
# RecordControl example InterfaceName.Set('RecordControl', 'Enable')			
Command RecordDestination	Value 'Auto'	Value 'Internal'	Value 'USB (Front)'
	'USB (Rear)'	'Internal + USB Front'	'Internal + USB Rear'
	'Internal + USB RCP'	'Internal + Auto'	
# RecordDestination example InterfaceName.Set('RecordDestination', 'Auto')			

Global Scripter Module
Communication Sheet

Command RecordDualControl	Value 'On'	Value 'Off'	
# RecordDualControl example InterfaceName.Set('RecordDualControl', 'On')			
Command RecordExtend	Value 1 – 60		
# RecordExtend example InterfaceName.Set('RecordExtend', 60)			
Command RecordResolution	Value '480p' '512x288' 'Custom'	Value '720p' '1024x768'	Value '1080p' '1280x1024'
# RecordResolution example InterfaceName.Set('RecordResolution', '480p')			
Command RecordingMode	Value 'Audio and Video'	Value 'Video Only'	
# RecordingMode example InterfaceName.Set('RecordingMode', 'Audio and Video')			
Command RecordingVideoFrameRate	Value '30 fps' '15 fps' '5 fps'	Value '25 fps' '12.5 fps' '12 fps'	Value '24 fps' '10 fps'
# RecordingVideoFrameRate example InterfaceName.Set('RecordingVideoFrameRate', '30 fps')			
Command RTMPBackupURLCommand	Value None		
Qualifier Key 'Stream'	Qualifier Value 'Archive A'	Qualifier Value 'Archive B'	Qualifier Value 'Confidence A'
Qualifier Key 'RTMP String'	Qualifier Value 'String'		
# RTMPBackupURLCommand example InterfaceName.Set('RTMPBackupURLCommand', None, {'Stream': 'Archive A', 'RTMP String': 'String'})			

Global Scripter Module Communication Sheet

Command RTMPPPrimaryURLComma nd	Value None		
Qualifier Key 'Stream'	Qualifier Value 'Archive A'	Qualifier Value 'Archive B'	Qualifier Value 'Confidence A'
Qualifier Key 'RTMP String'	Qualifier Value 'String'		
# RTMPPPrimaryURLCommand example InterfaceName.Set('RTMPPPrimaryURLCommand', None, {'Stream': 'Archive A', 'RTMP String': 'String'})			
Command RTMPStream	Value 'Enable'	Value 'Disable'	
Qualifier Key 'Stream'	Qualifier Value 'Archive A'	Qualifier Value 'Archive B'	Qualifier Value 'Confidence A'
# RTMPStream example InterfaceName.Set('RTMPStream', 'Enable', {'Stream': 'Archive A'})			
Command StreamControl	Value 'Enable'	Value 'Disable'	
Qualifier Key 'Stream'	Qualifier Value 'Archive A'	Qualifier Value 'Archive B'	Qualifier Value 'Confidence A'
# StreamControl example InterfaceName.Set('StreamControl', 'Enable', {'Stream': 'Archive A'})			
Command SwapWindows	Value None		
# SwapWindows example InterfaceName.Set('SwapWindows', None)			
Command ThumbnailSize	Value 'Default'	Value 'Archived Resolution'	
# ThumbnailSize example InterfaceName.Set('ThumbnailSize', 'Default')			
Command VideoBitrate	Value 200 – 10000		
Qualifier Key 'Stream'	Qualifier Value 'Archive A'	Qualifier Value 'Archive B'	Qualifier Value 'Confidence A'
# VideoBitrate example InterfaceName.Set('VideoBitrate', 10000, {'Stream': 'Archive A'})			
Command VideoMute	Value 'On'	Value 'Off'	
Qualifier Key 'Channel'	Qualifier Value 'A'	Qualifier Value 'B'	
# VideoMute example InterfaceName.Set('VideoMute', 'On', {'Channel': 'A'})			

¹ SMP 351 and SMP 352 models

² SMP 351 3G-SDI and SMP 352 3G-SDI models

Status Available

For all commands except for ActiveLayoutPreset, Alarm, AlarmSeverity, AudioLevel, CPUUsage, CurrentRecordingDuration, Encoder, FileDestination, FTPUploadDestination, HDCPInputStatus, InputA, InputB, MetadataStatus, RecordControl, RecordDestination, RecordDualControl, RemainingFreeDiskSpace, RemainingFrontUSBStorage, RemainingInternalStorage, RemainingRearUSBStorage, RemainingRecordingTime, RTMPBackupURLStatus, RTMPPrimaryURLStatus, RTMPStream, RTSPStreamURL, StreamControl, and ThumbnailSize, Update should be called only once since the command's status will be updated automatically as the device's status changes. ConnectionStatus, ActiveLayoutPreset, InputA and InputB do not support the Update function. ConnectionStatus is triggered by the device providing a successful response to other Update function calls.

Format with Qualifier:

```
InterfaceName.Update(Command, {'Qualifier Key': 'Qualifier Value'})
Value = InterfaceName.ReadStatus(Command, {'Qualifier Key': 'Qualifier Value'})
InterfaceName.SubscribeStatus(Command, {'Qualifier Key': 'Qualifier Value'}, FeedbackHandler)
FeedbackHandler will be called only when the specified qualifier gets a new status.
```

Format without Qualifier:

```
InterfaceName.Update(Command)
Value = InterfaceName.ReadStatus(Command)
InterfaceName.SubscribeStatus(Command, None, FeedbackHandler)
FeedbackHandler will be called when any qualifier gets a new status.
```

Command	Value		
ActiveLayoutPreset	'1' – '16'		
# ActiveLayoutPreset examples Value = InterfaceName.ReadStatus('ActiveLayoutPreset') InterfaceName.SubscribeStatus('ActiveLayoutPreset', None, FeedbackHandler)			
Command	Value	Value	Value
Alarm	'Video Loss'	'Audio Loss'	'Disk Space'
	'Halt Recording'	'Authentication Failures'	'Disk Error'
	'Internal Temperature'	'HDCP'	'None Active'
	'NTP Sync'	'CPU Usage'	'USB Front Overcurrent'
	'USB Rear Overcurrent'	'USB Keyboard Overcurrent'	'USB Mouse Overcurrent'
	'Schedule Server'		
Qualifier Key	Qualifier Value		
'Alarm Number'	'1' – '12'		
# Alarm examples InterfaceName.Update('Alarm', {'Alarm Number': '1'}) Value = InterfaceName.ReadStatus('Alarm', {'Alarm Number': '1'}) InterfaceName.SubscribeStatus('Alarm', None, FeedbackHandler)			

Command	Value	Value	Value
AlarmSeverity	'Warning'	'Critical'	'Cleared'
	'Info'	'Emergency'	
Qualifier Key	Qualifier Value		
'Alarm Number'	'1' – '12'		
# AlarmSeverity examples InterfaceName.Update('AlarmSeverity', {'Alarm Number': '1'}) Value = InterfaceName.ReadStatus('AlarmSeverity', {'Alarm Number': '1'}) InterfaceName.SubscribeStatus('AlarmSeverity', None, FeedbackHandler)			
Command	Value	Value	Value
AspectRatio	'Fill'	'Follow'	'Fit'
Qualifier Key	Qualifier Value	Qualifier Value	
'Input'	'1' – '4' ¹	'1' – '5' ²	
# AspectRatio examples InterfaceName.Update('AspectRatio', {'Input': '1'}) Value = InterfaceName.ReadStatus('AspectRatio', {'Input': '1'}) InterfaceName.SubscribeStatus('AspectRatio', None, FeedbackHandler)			
Command	Value		
AudioBitrate	'80' – '320'		
# AudioBitrate examples InterfaceName.Update('AudioBitrate') Value = InterfaceName.ReadStatus('AudioBitrate') InterfaceName.SubscribeStatus('AudioBitrate', None, FeedbackHandler)			
Command	Value		
AudioInputGain	-18 to 24 in steps of 1		
Qualifier Key	Qualifier Value	Qualifier Value	Qualifier Value
'Type'	'Analog Channel A (L)'	'Analog Channel A (R)'	'Digital Channel A (L)'
	'Digital Channel A (R)'	'Analog Channel B (L)'	'Analog Channel B (R)'
	'Digital Channel B (L)'	'Digital Channel B (R)'	
# AudioInputGain examples InterfaceName.Update('AudioInputGain', {'Type': 'Analog Channel A (L)'}) Value = InterfaceName.ReadStatus('AudioInputGain', {'Type': 'Analog Channel A (L)'}) InterfaceName.SubscribeStatus('AudioInputGain', None, FeedbackHandler)			
Command	Value		
AudioLevel	-150 – 0		
Qualifier Key	Qualifier Value	Qualifier Value	
'L/R'	'Left'	'Right'	
# AudioLevel examples InterfaceName.Update('AudioLevel', {'L/R': 'Left'}) Value = InterfaceName.ReadStatus('AudioLevel', {'L/R': 'Left'}) InterfaceName.SubscribeStatus('AudioLevel', None, FeedbackHandler)			

Global Scripter Module Communication Sheet

Command AudioMuteInput	Value 'On'	Value 'Off'	
Qualifier Key 'Type'	Qualifier Value 'Analog'	Qualifier Value 'Digital'	
Qualifier Key 'Channel'	Qualifier Value 'A'	Qualifier Value 'B'	
Qualifier Key 'L/R'	Qualifier Value 'Left'	Qualifier Value 'Right'	
# AudioMuteInput examples InterfaceName.Update('AudioMuteInput', {'Type': 'Analog', 'Channel': 'A', 'L/R': 'Left'}) Value = InterfaceName.ReadStatus('AudioMuteInput', {'Type': 'Analog', 'Channel': 'A', 'L/R': 'Left'}) InterfaceName.SubscribeStatus('AudioMuteInput', None, FeedbackHandler)			
Command AudioMuteOutput	Value 'On'	Value 'Off'	
Qualifier Key 'L/R'	Qualifier Value 'Left'	Qualifier Value 'Right'	
# AudioMuteOutput examples InterfaceName.Update('AudioMuteOutput', {'L/R': 'Left'}) Value = InterfaceName.ReadStatus('AudioMuteOutput', {'L/R': 'Left'}) InterfaceName.SubscribeStatus('AudioMuteOutput', None, FeedbackHandler)			
Command AudioOnlyRecording	Value 'Enable'	Value 'Disable'	
# AudioOnlyRecording examples InterfaceName.Update('AudioOnlyRecording') Value = InterfaceName.ReadStatus('AudioOnlyRecording') InterfaceName.SubscribeStatus('AudioOnlyRecording', None, FeedbackHandler)			
Command AudioOutputGain	Value -100 to 0 in steps of 1		
Qualifier Key 'Type'	Qualifier Value 'Output (L)'	Qualifier Value 'Output (R)'	
# AudioOutputGain examples InterfaceName.Update('AudioOutputGain', {'Type': 'Output (L)'}) Value = InterfaceName.ReadStatus('AudioOutputGain', {'Type': 'Output (L)'}) InterfaceName.SubscribeStatus('AudioOutputGain', None, FeedbackHandler)			
Command BackupRTMPStatus	Value 'Live'	Value 'Offline'	
Qualifier Key 'Stream'	Qualifier Value 'Archive A'	Qualifier Value 'Archive B'	Qualifier Value 'Confidence A'
# BackupRTMPStatus examples InterfaceName.Update('BackupRTMPStatus', {'Stream': 'Archive A'}) Value = InterfaceName.ReadStatus('BackupRTMPStatus', {'Stream': 'Archive A'}) InterfaceName.SubscribeStatus('BackupRTMPStatus', None, FeedbackHandler)			

Global Scripter Module Communication Sheet

Command BitrateControl	Value 'VBR'	Value 'CVBR'	Value 'CBR'
Qualifier Key 'Stream'	Qualifier Value 'Archive A'	Qualifier Value 'Archive B'	Qualifier Value 'Confidence A'
<pre># BitrateControl examples InterfaceName.Update('BitrateControl', {'Stream': 'Archive A'}) Value = InterfaceName.ReadStatus('BitrateControl', {'Stream': 'Archive A'}) InterfaceName.SubscribeStatus('BitrateControl', None, FeedbackHandler)</pre>			
Command ConnectionStatus	Value 'Connected'	Value 'Disconnected'	
<pre># ConnectionStatus examples Value = InterfaceName.ReadStatus('ConnectionStatus') InterfaceName.SubscribeStatus('ConnectionStatus', None, FeedbackHandler)</pre>			
Command CPUUsage	Value 0 – 100		
<pre># CPUUsage examples InterfaceName.Update('CPUUsage') Value = InterfaceName.ReadStatus('CPUUsage') InterfaceName.SubscribeStatus('CPUUsage', None, FeedbackHandler)</pre>			
Command CurrentRecordingDuration	Qualifier Value 'String'		
<pre># CurrentRecordingDuration examples InterfaceName.Update('CurrentRecordingDuration') Value = InterfaceName.ReadStatus('CurrentRecordingDuration') InterfaceName.SubscribeStatus('CurrentRecordingDuration', None, FeedbackHandler)</pre>			
Command Encoder	Value 'Composite'	Value 'Dual'	
<pre># Encoder examples InterfaceName.Update('Encoder') Value = InterfaceName.ReadStatus('Encoder') InterfaceName.SubscribeStatus('Encoder', None, FeedbackHandler)</pre>			
Command ExecutiveMode	Value 'Off'	Value 'Complete Lock Out'	Value 'Menu Lock Out'
	'Recording Control Only'		
<pre># ExecutiveMode examples InterfaceName.Update('ExecutiveMode') Value = InterfaceName.ReadStatus('ExecutiveMode') InterfaceName.SubscribeStatus('ExecutiveMode', None, FeedbackHandler)</pre>			

Global Scripter Module
Communication Sheet

Command FileDestination	Value 'NA' 'Rear USB' 'RCP USB'	Value 'Internal' 'Auto'	Value 'Front USB' 'Drive not inserted while USB is set as Destination'
Qualifier Key 'Drive'	Qualifier Value 'Primary'	Qualifier Value 'Secondary'	
# FileDestination examples InterfaceName.Update('FileDestination', {'Drive': 'Primary'}) Value = InterfaceName.ReadStatus('FileDestination', {'Drive': 'Primary'}) InterfaceName.SubscribeStatus('FileDestination', None, FeedbackHandler)			
Command FTPUUploadDestination	Qualifier Value 'String'		
# FTPUploadDestination examples InterfaceName.Update('FTPUUploadDestination') Value = InterfaceName.ReadStatus('FTPUUploadDestination') InterfaceName.SubscribeStatus('FTPUUploadDestination', None, FeedbackHandler)			
Command GOPLength	Value 1 – 300		
Qualifier Key 'Stream'	Qualifier Value 'Archive A'	Qualifier Value 'Archive B'	Qualifier Value 'Confidence A'
# GOPLength examples InterfaceName.Update('GOPLength', {'Stream': 'Archive A'}) Value = InterfaceName.ReadStatus('GOPLength', {'Stream': 'Archive A'}) InterfaceName.SubscribeStatus('GOPLength', None, FeedbackHandler)			
Command HDCPInputStatus	Value 'No Source Connected'	Value 'HDCP Content'	Value 'No HDCP Content'
Qualifier Key 'Input'	Qualifier Value '1' – '4'		
# HDCPInputStatus examples InterfaceName.Update('HDCPInputStatus', {'Input': '1'}) Value = InterfaceName.ReadStatus('HDCPInputStatus', {'Input': '1'}) InterfaceName.SubscribeStatus('HDCPInputStatus', None, FeedbackHandler)			
Command HDMIAudioMute	Value 'On'	Value 'Off'	
# HDMIAudioMute examples InterfaceName.Update('HDMIAudioMute') Value = InterfaceName.ReadStatus('HDMIAudioMute') InterfaceName.SubscribeStatus('HDMIAudioMute', None, FeedbackHandler)			
Command HDMIVideoMute	Value 'On'	Value 'Off'	
# HDMIVideoMute examples InterfaceName.Update('HDMIVideoMute') Value = InterfaceName.ReadStatus('HDMIVideoMute')			

Global Scripter Module Communication Sheet

InterfaceName.SubscribeStatus('HDMIVideoMute', None, FeedbackHandler)			
Command Input3Format	Value 'YUVp/HDTV'	Value 'YUVi'	Value 'Composite'
# Input3Format examples InterfaceName.Update('Input3Format') Value = InterfaceName.ReadStatus('Input3Format') InterfaceName.SubscribeStatus('Input3Format', None, FeedbackHandler)			
Command InputA	Value '1' – '2'		
# InputA examples Value = InterfaceName.ReadStatus('InputA') InterfaceName.SubscribeStatus('InputA', None, FeedbackHandler)			
Command InputB-3G-SDI	Value '3' – '5'		
# InputB examples Value = InterfaceName.ReadStatus('InputB') InterfaceName.SubscribeStatus('InputB', None, FeedbackHandler)			
Command InputB-Base	Value '3' – '5'		
# InputB examples Value = InterfaceName.ReadStatus('InputB') InterfaceName.SubscribeStatus('InputB', None, FeedbackHandler)			
Command InputStatus			
# InputStatus examples InterfaceName.Update('InputStatus') Value = InterfaceName.ReadStatus('InputStatus') InterfaceName.SubscribeStatus('InputStatus', None, FeedbackHandler)			
Command LayoutPresetStatus	Value '1' – '16'		
# LayoutPresetStatus examples InterfaceName.Update('LayoutPresetStatus') Value = InterfaceName.ReadStatus('LayoutPresetStatus') InterfaceName.SubscribeStatus('LayoutPresetStatus', None, FeedbackHandler)			
Command MetadataStatus	Qualifier Value 'String'		
Qualifier Key 'Type'	Qualifier Value 'Contributor'	Qualifier Value 'Coverage'	Qualifier Value 'Presenter'
	'Date'	'Description'	'Format'
	'Identifier'	'Language'	'Publisher'
	'Relation'	'Rights'	'Source'
	'Subject'	'Title'	'Type'
	'System Name'	'Course'	

<pre># MetadataStatus examples InterfaceName.Update('MetadataStatus', {'Type': 'Contributor'}) Value = InterfaceName.ReadStatus('MetadataStatus', {'Type': 'Contributor'}) InterfaceName.SubscribeStatus('MetadataStatus', None, FeedbackHandler)</pre>			
Command PrimaryRTMPStatus	Value 'Live'	Value 'Offline'	
Qualifier Key 'Stream'	Qualifier Value 'Archive A'	Qualifier Value 'Archive B'	Qualifier Value 'Confidence A'
<pre># PrimaryRTMPStatus examples InterfaceName.Update('PrimaryRTMPStatus', {'Stream': 'Archive A'}) Value = InterfaceName.ReadStatus('PrimaryRTMPStatus', {'Stream': 'Archive A'}) InterfaceName.SubscribeStatus('PrimaryRTMPStatus', None, FeedbackHandler)</pre>			
Command RCP101ExecutiveMode	Value 'On'	Value 'Off'	
<pre># RCP101ExecutiveMode examples InterfaceName.Update('RCP101ExecutiveMode') Value = InterfaceName.ReadStatus('RCP101ExecutiveMode') InterfaceName.SubscribeStatus('RCP101ExecutiveMode', None, FeedbackHandler)</pre>			
Command Record	Value 'Start'	Value 'Stop'	Value 'Pause'
<pre># Record examples InterfaceName.Update('Record') Value = InterfaceName.ReadStatus('Record') InterfaceName.SubscribeStatus('Record', None, FeedbackHandler)</pre>			
Command RecordControl	Value 'Enable'	Value 'Disable'	Value 'Enable Dual'
<pre># RecordControl examples InterfaceName.Update('RecordControl') Value = InterfaceName.ReadStatus('RecordControl') InterfaceName.SubscribeStatus('RecordControl', None, FeedbackHandler)</pre>			
Command RecordDestination	Value 'Auto'	Value 'Internal'	Value 'USB (Front)'
	'USB (Rear)'	'Internal + USB Front'	'Internal + USB Rear'
	'Internal + USB RCP'	'Internal + Auto'	
<pre># RecordDestination examples InterfaceName.Update('RecordDestination') Value = InterfaceName.ReadStatus('RecordDestination') InterfaceName.SubscribeStatus('RecordDestination', None, FeedbackHandler)</pre>			
Command RecordDualControl	Value 'On'	Value 'Off'	
<pre># RecordDualControl examples InterfaceName.Update('RecordDualControl') Value = InterfaceName.ReadStatus('RecordDualControl') InterfaceName.SubscribeStatus('RecordDualControl', None, FeedbackHandler)</pre>			

Global Scripter Module Communication Sheet

Command RecordResolution	Value '480p' '512x288' 'Custom'	Value '720p' '1024x768'	Value '1080p' '1280x1024'
# RecordResolution examples InterfaceName.Update('RecordResolution') Value = InterfaceName.ReadStatus('RecordResolution') InterfaceName.SubscribeStatus('RecordResolution', None, FeedbackHandler)			
Command RecordingMode	Value 'Audio and Video'	Value 'Video Only'	
# RecordingMode examples InterfaceName.Update('RecordingMode') Value = InterfaceName.ReadStatus('RecordingMode') InterfaceName.SubscribeStatus('RecordingMode', None, FeedbackHandler)			
Command RecordingVideoFrameRate	Value '30 fps' '15 fps' '5 fps'	Value '25 fps' '12.5 fps' '12 fps'	Value '24 fps' '10 fps'
# RecordingVideoFrameRate examples InterfaceName.Update('RecordingVideoFrameRate') Value = InterfaceName.ReadStatus('RecordingVideoFrameRate') InterfaceName.SubscribeStatus('RecordingVideoFrameRate', None, FeedbackHandler)			
Command RemainingFreeDiskSpace	Value 0 – 1000000		
Qualifier Key 'Drive'	Qualifier Value 'Primary'	Qualifier Value 'Secondary'	
Qualifier Key 'Unit'	Qualifier Value 'MB'	Qualifier Value 'GB'	
# RemainingFreeDiskSpace examples InterfaceName.Update('RemainingFreeDiskSpace', {'Drive': 'Primary', 'Unit': 'MB'}) Value = InterfaceName.ReadStatus('RemainingFreeDiskSpace', {'Drive': 'Primary', 'Unit': 'MB'}) InterfaceName.SubscribeStatus('RemainingFreeDiskSpace', None, FeedbackHandler)			
Command RemainingFrontUSBStorage	Value 0 – 1000000		
Qualifier Key 'Unit'	Qualifier Value 'MB'	Qualifier Value 'GB'	
# RemainingFrontUSBStorage examples InterfaceName.Update('RemainingFrontUSBStorage', {'Unit': 'MB'}) Value = InterfaceName.ReadStatus('RemainingFrontUSBStorage', {'Unit': 'MB'}) InterfaceName.SubscribeStatus('RemainingFrontUSBStorage', None, FeedbackHandler)			

Global Scripter Module Communication Sheet

Command RemainingInternalStorage	Value 0 – 1000000		
Qualifier Key 'Unit'	Qualifier Value 'MB'	Qualifier Value 'GB'	
# RemainingInternalStorage examples InterfaceName.Update('RemainingInternalStorage', {'Unit': 'MB'}) Value = InterfaceName.ReadStatus('RemainingInternalStorage', {'Unit': 'MB'}) InterfaceName.SubscribeStatus('RemainingInternalStorage', None, FeedbackHandler)			
Command RemainingRearUSBStorage	Value 0 – 1000000		
Qualifier Key 'Unit'	Qualifier Value 'MB'	Qualifier Value 'GB'	
# RemainingRearUSBStorage examples InterfaceName.Update('RemainingRearUSBStorage', {'Unit': 'MB'}) Value = InterfaceName.ReadStatus('RemainingRearUSBStorage', {'Unit': 'MB'}) InterfaceName.SubscribeStatus('RemainingRearUSBStorage', None, FeedbackHandler)			
Command RemainingRecordingTime	Qualifier Value 'String'		
Qualifier Key 'Drive'	Qualifier Value 'Primary'	Qualifier Value 'Secondary'	
# RemainingRecordingTime examples InterfaceName.Update('RemainingRecordingTime', {'Drive': 'Primary'}) Value = InterfaceName.ReadStatus('RemainingRecordingTime', {'Drive': 'Primary'}) InterfaceName.SubscribeStatus('RemainingRecordingTime', None, FeedbackHandler)			
Command RTMPBackupURLStatus	Qualifier Value 'String'		
Qualifier Key 'Stream'	Qualifier Value 'Archive A'	Qualifier Value 'Archive B'	Qualifier Value 'Confidence A'
# RTMPBackupURLStatus examples InterfaceName.Update('RTMPBackupURLStatus', {'Stream': 'Archive A'}) Value = InterfaceName.ReadStatus('RTMPBackupURLStatus', {'Stream': 'Archive A'}) InterfaceName.SubscribeStatus('RTMPBackupURLStatus', None, FeedbackHandler)			
Command RTMPPrimaryURLStatus	Qualifier Value 'String'		
Qualifier Key 'Stream'	Qualifier Value 'Archive A'	Qualifier Value 'Archive B'	Qualifier Value 'Confidence A'
# RTMPPrimaryURLStatus examples InterfaceName.Update('RTMPPrimaryURLStatus', {'Stream': 'Archive A'}) Value = InterfaceName.ReadStatus('RTMPPrimaryURLStatus', {'Stream': 'Archive A'}) InterfaceName.SubscribeStatus('RTMPPrimaryURLStatus', None, FeedbackHandler)			

Global Scripter Module Communication Sheet

Command RTMPStream	Value 'Enable'	Value 'Disable'	
Qualifier Key 'Stream'	Qualifier Value 'Archive A'	Qualifier Value 'Archive B'	Qualifier Value 'Confidence A'
<pre># RTMPStream examples InterfaceName.Update('RTMPStream', {'Stream': 'Archive A'}) Value = InterfaceName.ReadStatus('RTMPStream', {'Stream': 'Archive A'}) InterfaceName.SubscribeStatus('RTMPStream', None, FeedbackHandler)</pre>			
Command RTSPStreamURL	Qualifier Value 'String'		
<pre># RTSPStreamURL examples InterfaceName.Update('RTSPStreamURL') Value = InterfaceName.ReadStatus('RTSPStreamURL') InterfaceName.SubscribeStatus('RTSPStreamURL', None, FeedbackHandler)</pre>			
Command StreamControl	Value 'Enable'	Value 'Disable'	
Qualifier Key 'Stream'	Qualifier Value 'Archive A'	Qualifier Value 'Archive B'	Qualifier Value 'Confidence A'
<pre># StreamControl examples InterfaceName.Update('StreamControl', {'Stream': 'Archive A'}) Value = InterfaceName.ReadStatus('StreamControl', {'Stream': 'Archive A'}) InterfaceName.SubscribeStatus('StreamControl', None, FeedbackHandler)</pre>			
Command ThumbnailSize	Value 'Default'	Value 'Archived Resolution'	
<pre># ThumbnailSize examples InterfaceName.Update('ThumbnailSize') Value = InterfaceName.ReadStatus('ThumbnailSize') InterfaceName.SubscribeStatus('ThumbnailSize', None, FeedbackHandler)</pre>			
Command VideoBitrate	Value 200 – 10000		
Qualifier Key 'Stream'	Qualifier Value 'Archive A'	Qualifier Value 'Archive B'	Qualifier Value 'Confidence A'
<pre># VideoBitrate examples InterfaceName.Update('VideoBitrate', {'Stream': 'Archive A'}) Value = InterfaceName.ReadStatus('VideoBitrate', {'Stream': 'Archive A'}) InterfaceName.SubscribeStatus('VideoBitrate', None, FeedbackHandler)</pre>			
Command VideoMute	Value 'On'	Value 'Off'	
Qualifier Key 'Channel'	Qualifier Value 'A'	Qualifier Value 'B'	
<pre># VideoMute examples InterfaceName.Update('VideoMute', {'Channel': 'A'}) Value = InterfaceName.ReadStatus('VideoMute', {'Channel': 'A'}) InterfaceName.SubscribeStatus('VideoMute', None, FeedbackHandler)</pre>			

¹ SMP 351 and SMP 352 models

² SMP 351 3G-SDI and SMP 352 3G-SDI models

Cable and Adapter Requirements

Captive Screw to Captive Screw RS-232 Serial Cable

Notes for the Device

Serial communication

Port Type: RS-232

Baud Rate: 9600

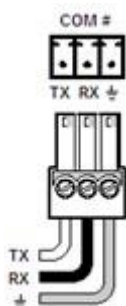
Data Bits: 8

Parity: None

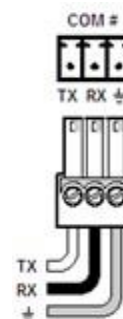
Stop Bits: One

Flow Control: None

Pin Assignments Diagram



Signal	Main Cable	Signal
TxD	↘	TxD
RxD	↙	RxD
GND	—	GND



Network communication

When configuring the Ethernet module, be sure device settings match those of the Global Scripter ethernet interface

Port Type:	Ethernet
Default Port:	23
Logon Credentials Supported:	Yes
Multi-Connection	Yes
Capabilities:	
Port Changeability:	Yes

Ethernet Module Configuration Description

Please refer to user manual for settings and changes to the network communication

Notes for the Device

Appendix A. Set Commands

Aspect Ratio Fill Input 1	w1*1ASPR\x0D
Aspect Ratio Fill Input 4	w4*1ASPR\x0D
Aspect Ratio Fill Input 5	w5*1ASPR\x0D
Aspect Ratio Fit Input 1	w1*3ASPR\x0D
Aspect Ratio Fit Input 4	w4*3ASPR\x0D
Aspect Ratio Fit Input 5	w5*3ASPR\x0D
Aspect Ratio Follow Input 1	w1*2ASPR\x0D
Aspect Ratio Follow Input 4	w4*2ASPR\x0D
Aspect Ratio Follow Input 5	w5*2ASPR\x0D
Audio Bitrate 128	wA1*128BITR\x0D
Audio Bitrate 192	wA1*192BITR\x0D
Audio Bitrate 256	wA1*256BITR\x0D
Audio Bitrate 320	wA1*320BITR\x0D
Audio Bitrate 80	wA1*80BITR\x0D
Audio Bitrate 96	wA1*96BITR\x0D
Audio Input Gain -18 Type Analog Channel A (L)	wG40000*-180AU\x0D
Audio Input Gain -18 Type Analog Channel A (R)	wG40001*-180AU\x0D
Audio Input Gain -18 Type Analog Channel B (L)	wG40004*-180AU\x0D
Audio Input Gain -18 Type Analog Channel B (R)	wG40005*-180AU\x0D
Audio Input Gain -18 Type Digital Channel A (L)	wG40002*-180AU\x0D
Audio Input Gain -18 Type Digital Channel A (R)	wG40003*-180AU\x0D
Audio Input Gain -18 Type Digital Channel B (L)	wG40006*-180AU\x0D
Audio Input Gain -18 Type Digital Channel B (R)	wG40007*-180AU\x0D
Audio Input Gain 24 Type Analog Channel A (L)	wG40000*240AU\x0D
Audio Input Gain 24 Type Analog Channel A (R)	wG40001*240AU\x0D
Audio Input Gain 24 Type Analog Channel B (L)	wG40004*240AU\x0D
Audio Input Gain 24 Type Analog Channel B (R)	wG40005*240AU\x0D
Audio Input Gain 24 Type Digital Channel A (L)	wG40002*240AU\x0D
Audio Input Gain 24 Type Digital Channel A (R)	wG40003*240AU\x0D
Audio Input Gain 24 Type Digital Channel B (L)	wG40006*240AU\x0D
Audio Input Gain 24 Type Digital Channel B (R)	wG40007*240AU\x0D
Audio Mute Input Off Type Analog Channel A L/R Left	wM40000*0AU\x0D
Audio Mute Input Off Type Analog Channel A L/R Right	wM40001*0AU\x0D
Audio Mute Input Off Type Analog Channel B L/R Left	wM40004*0AU\x0D
Audio Mute Input Off Type Analog Channel B L/R Right	wM40005*0AU\x0D

**Global Scripter Module
Communication Sheet**

Audio Mute Input Off Type Digital Channel A L/R Left	wM40002*0AU\x0D
Audio Mute Input Off Type Digital Channel A L/R Right	wM40003*0AU\x0D
Audio Mute Input Off Type Digital Channel B L/R Left	wM40006*0AU\x0D
Audio Mute Input Off Type Digital Channel B L/R Right	wM40007*0AU\x0D
Audio Mute Input On Type Analog Channel A L/R Left	wM40000*1AU\x0D
Audio Mute Input On Type Analog Channel A L/R Right	wM40001*1AU\x0D
Audio Mute Input On Type Analog Channel B L/R Left	wM40004*1AU\x0D
Audio Mute Input On Type Analog Channel B L/R Right	wM40005*1AU\x0D
Audio Mute Input On Type Digital Channel A L/R Left	wM40002*1AU\x0D
Audio Mute Input On Type Digital Channel A L/R Right	wM40003*1AU\x0D
Audio Mute Input On Type Digital Channel B L/R Left	wM40006*1AU\x0D
Audio Mute Input On Type Digital Channel B L/R Right	wM40007*1AU\x0D
Audio Mute Output Off L/R Left	wM60000*0AU\x0D
Audio Mute Output Off L/R Right	wM60001*0AU\x0D
Audio Mute Output On L/R Left	wM60000*1AU\x0D
Audio Mute Output On L/R Right	wM60001*1AU\x0D
Audio Only Recording Disable	wA1*0RCDR\x0D
Audio Only Recording Enable	wA1*1RCDR\x0D
Audio Output Gain 0 Type Output (L)	wG60000*0AU\x0D
Audio Output Gain 0 Type Output (R)	wG60001*0AU\x0D
Audio Output Gain -100 Type Output (L)	wG60000*-1000AU\x0D
Audio Output Gain -100 Type Output (R)	wG60001*-1000AU\x0D
Auto Image None Channel A	1A\x0D
Auto Image None Channel B	2A\x0D
Bitrate Control CBR Stream Archive A	w1*2BRCT\x0D
Bitrate Control CBR Stream Archive B	w2*2BRCT\x0D
Bitrate Control CBR Stream Confidence A	w3*2BRCT\x0D
Bitrate Control CVBR Stream Archive A	w1*1BRCT\x0D
Bitrate Control CVBR Stream Archive B	w2*1BRCT\x0D
Bitrate Control CVBR Stream Confidence A	w3*1BRCT\x0D
Bitrate Control VBR Stream Archive A	w1*0BRCT\x0D
Bitrate Control VBR Stream Archive B	w2*0BRCT\x0D
Bitrate Control VBR Stream Confidence A	w3*0BRCT\x0D

Global Scripter Module Communication Sheet

Chapter Marker None	wBRCDR\x0D
Eject USB Storage All	w0USB\x0D
Eject USB Storage USB Front	w2USB\x0D
Eject USB Storage USB RCP	w4USB\x0D
Eject USB Storage USB Rear	w3USB\x0D
Encoder Composite	w1*0ENCM\x0D
Encoder Dual	w1*1ENCM\x0D
Executive Mode Complete Lock Out	1X
Executive Mode Menu Lock Out	2X
Executive Mode Off	0X
Executive Mode Recording Control Only	3X
GOP Length 1 Stream Archive A	w1*1GOPL\x0D
GOP Length 1 Stream Archive B	w2*1GOPL\x0D
GOP Length 1 Stream Confidence A	w3*1GOPL\x0D
GOP Length 300 Stream Archive A	w1*300GOPL\x0D
GOP Length 300 Stream Archive B	w2*300GOPL\x0D
GOP Length 300 Stream Confidence A	w3*300GOPL\x0D
HDMI Audio Mute Off	99*0Z\x0D
HDMI Audio Mute On	99*1Z\x0D
HDMI Video Mute Off	99*0B\x0D
HDMI Video Mute On	99*1B\x0D
Input 3 Format Composite	3*3\
Input 3 Format YUVi	3*2\
Input 3 Format YUVp/HDTV	3*1\
Input A 1	1*1!\x0D
Input A 2	2*1!\x0D
Input B 3	3*2!\x0D
Input B 4	4*2!\x0D
Input B 5	5*2!\x0D
Metadata Contributor	wM0*stringRCDR\x0D
Metadata Course	wM16*stringRCDR\x0D
Metadata Coverage	wM1*stringRCDR\x0D
Metadata Description	wM4*stringRCDR\x0D
Metadata Format	wM5*stringRCDR\x0D
Metadata Language	wM7*stringRCDR\x0D
Metadata Presenter	wM2*stringRCDR\x0D
Metadata Publisher	wM8*stringRCDR\x0D
Metadata Relation	wM9*stringRCDR\x0D
Metadata Rights	wM10*stringRCDR\x0D

**Global Scripter Module
Communication Sheet**

Metadata Source	wM11*stringRCDR\x0D
Metadata Subject	wM12*stringRCDR\x0D
Metadata System Name	wM15*stringRCDR\x0D
Metadata Title	wM13*stringRCDR\x0D
Metadata Type	wM14*stringRCDR\x0D
RCP 101 Executive Mode Off	99*0X\x0D
RCP 101 Executive Mode On	99*1X\x0D
Recall Encoder Preset 1 Stream Archive A	4*1*1.
Recall Encoder Preset 1 Stream Archive B	4*2*1.
Recall Encoder Preset 1 Stream Confidence A	4*3*1.
Recall Encoder Preset 32 Stream Archive A	4*1*32.
Recall Encoder Preset 32 Stream Archive B	4*2*32.
Recall Encoder Preset 32 Stream Confidence A	4*3*32.
Recall Layout Confidence Dual 1	9*3*1.
Recall Layout Confidence Dual 10	9*3*10.
Recall Layout Preset 1 Inputs With Inputs	7*1.
Recall Layout Preset 1 Inputs Without Inputs	8*1.
Recall Layout Preset 16 Inputs With Inputs	7*16.
Recall Layout Preset 16 Inputs Without Inputs	8*16.
Recall User Preset 1 Channel A	1*1*1.
Recall User Preset 1 Channel B	1*2*1.
Recall User Preset 16 Channel A	1*1*16.
Recall User Preset 16 Channel B	1*2*16.
Record Control Disable	wX1*0RCDR\x0D
Record Control Enable	wX1*1RCDR\x0D
Record Control Enable Dual	wX1*2RCDR\x0D
Record Destination Auto	wD0RCDR\x0D
Record Destination Internal	wD1RCDR\x0D
Record Destination Internal + Auto	wD11RCDR\x0D
Record Destination Internal + USB Front	wD12RCDR\x0D
Record Destination Internal + USB RCP	wD14RCDR\x0D
Record Destination Internal + USB Rear	wD13RCDR\x0D
Record Destination USB (Front)	wD2RCDR\x0D
Record Destination USB (Rear)	wD3RCDR\x0D
Record Dual Control Off	wX2*0RCDR\x0D
Record Dual Control On	wX2*1RCDR\x0D
Record Extend 1	wE1RCDR\x0D
Record Extend 60	wE60RCDR\x0D
Record Pause	wY2RCDR\x0D

Global Scripter Module Communication Sheet

Record Resolution 1024x768	w1*5VRES\x0D
Record Resolution 1080p	w1*3VRES\x0D
Record Resolution 1280x1024	w1*6VRES\x0D
Record Resolution 480p	w1*1VRES\x0D
Record Resolution 512x288	w1*4VRES\x0D
Record Resolution 720p	w1*2VRES\x0D
Record Resolution Custom	w1*99VRES\x0D
Record Start	wY1RCDR\x0D
Record Stop	wY0RCDR\x0D
Recording Mode Audio and Video	w1*1SMOD\x0D
Recording Mode Video Only	w1*2SMOD\x0D
Recording Video Frame Rate 10 fps	w1*7VFRM\x0D
Recording Video Frame Rate 12 fps	w1*6VFRM\x0D
Recording Video Frame Rate 12.5 fps	w1*5VFRM\x0D
Recording Video Frame Rate 15 fps	w1*4VFRM\x0D
Recording Video Frame Rate 24 fps	w1*3VFRM\x0D
Recording Video Frame Rate 25 fps	w1*2VFRM\x0D
Recording Video Frame Rate 30 fps	w1*1VFRM\x0D
Recording Video Frame Rate 5 fps	w1*8VFRM\x0D
RTMP Backup URL Command None Stream Archive A	wU2*1*stringRTMP\x0D
RTMP Backup URL Command None Stream Archive B	wU2*2*stringRTMP\x0D
RTMP Backup URL Command None Stream Confidence A	wU2*3*stringRTMP\x0D
RTMP Primary URL Command None Stream Archive A	wU1*1*stringRTMP\x0D
RTMP Primary URL Command None Stream Archive B	wU1*2*stringRTMP\x0D
RTMP Primary URL Command None Stream Confidence A	wU1*3*stringRTMP\x0D
RTMP Stream Disable Stream Archive A	wE1*0RTMP\x0D
RTMP Stream Disable Stream Archive B	wE2*0RTMP\x0D
RTMP Stream Disable Stream Confidence A	wE3*0RTMP\x0D
RTMP Stream Enable Stream Archive A	wE1*1RTMP\x0D
RTMP Stream Enable Stream Archive B	wE2*1RTMP\x0D
RTMP Stream Enable Stream Confidence A	wE3*1RTMP\x0D
Stream Control Disable Stream Archive A	w1*0STRC\x0D
Stream Control Disable Stream Archive B	w2*0STRC\x0D
Stream Control Disable Stream Confidence A	w3*0STRC\x0D
Stream Control Enable Stream Archive A	w1*1STRC\x0D
Stream Control Enable Stream Archive B	w2*1STRC\x0D
Stream Control Enable Stream Confidence A	w3*1STRC\x0D

Global Scripter Module Communication Sheet

Swap Windows None	%
Thumbnail Size Archived Resolution	wT1RCDR\x0D
Thumbnail Size Default	wT0RCDR\x0D
Video Bitrate 10000 Stream Archive A	wV1*10000BITR\x0D
Video Bitrate 10000 Stream Archive B	wV2*10000BITR\x0D
Video Bitrate 10000 Stream Confidence A	wV3*10000BITR\x0D
Video Bitrate 200 Stream Archive A	wV1*200BITR\x0D
Video Bitrate 200 Stream Archive B	wV2*200BITR\x0D
Video Bitrate 200 Stream Confidence A	wV3*200BITR\x0D
Video Mute Off Channel A	1*0B
Video Mute Off Channel B	2*0B
Video Mute On Channel A	1*1B
Video Mute On Channel B	2*1B

Appendix B. Update Commands

Alarm Alarm Number 1	39i
Alarm Alarm Number 12	39i
Alarm Severity Alarm Number 1	39i
Alarm Severity Alarm Number 12	39i
Aspect Ratio Input 1	w1ASPR\x0D
Aspect Ratio Input 4	w4ASPR\x0D
Aspect Ratio Input 5	w5ASPR\x0D
Audio Bitrate	wA1BITR\x0D
Audio Input Gain Type Analog Channel A (L)	wG40000AU\x0D
Audio Input Gain Type Analog Channel A (R)	wG40001AU\x0D
Audio Input Gain Type Analog Channel B (L)	wG40004AU\x0D
Audio Input Gain Type Analog Channel B (R)	wG40005AU\x0D
Audio Input Gain Type Digital Channel A (L)	wG40002AU\x0D
Audio Input Gain Type Digital Channel A (R)	wG40003AU\x0D
Audio Input Gain Type Digital Channel B (L)	wG40006AU\x0D
Audio Input Gain Type Digital Channel B (R)	wG40007AU\x0D
Audio Level L/R Left	34i
Audio Level L/R Right	34i
Audio Mute Input Type Analog Channel A L/R Left	wM40000AU\x0D
Audio Mute Input Type Analog Channel A L/R Right	wM40001AU\x0D
Audio Mute Input Type Analog Channel B L/R Left	wM40004AU\x0D
Audio Mute Input Type Analog Channel B L/R Right	wM40005AU\x0D
Audio Mute Input Type Digital Channel A L/R Left	wM40002AU\x0D
Audio Mute Input Type Digital Channel A L/R Right	wM40003AU\x0D
Audio Mute Input Type Digital Channel B L/R Left	wM40006AU\x0D
Audio Mute Input Type Digital Channel B L/R Right	wM40007AU\x0D
Audio Mute Output L/R Left	wM60000AU\x0D
Audio Mute Output L/R Right	wM60001AU\x0D
Audio Only Recording	wA1RCDR\x0D
Audio Output Gain Type Output (L)	wG60000AU\x0D
Audio Output Gain Type Output (R)	wG60001AU\x0D
Backup RTMP Status Stream Archive A	wS2*1RTMP\x0D
Backup RTMP Status Stream Archive B	wS2*2RTMP\x0D
Backup RTMP Status Stream Confidence A	wS2*3RTMP\x0D
Bitrate Control Stream Archive A	w1BRCT\x0D
Bitrate Control Stream Archive B	w2BRCT\x0D

**Global Scripter Module
Communication Sheet**

Bitrate Control Stream Confidence A	w3BRCT\x0D
CPU Usage	11i
Current Recording Duration	35i
Encoder	w1ENCM\x0D
Executive Mode	X
File Destination Drive Primary	i
File Destination Drive Secondary	i
FTP Upload Destination	38i
GOP Length Stream Archive A	w1GOPL\x0D
GOP Length Stream Archive B	w2GOPL\x0D
GOP Length Stream Confidence A	w3GOPL\x0D
HDCP Input Status Input 1	wI1HDCP\x0D
HDCP Input Status Input 2	wI2HDCP\x0D
HDCP Input Status Input 4	wI4HDCP\x0D
HDMI Audio Mute	99Z
HDMI Video Mute	99B
Input 3 Format	3\
Input Status	32I
Layout Preset Status	49I
Metadata Status Type Contributor	wM0RCDR\x0D
Metadata Status Type Course	wM16RCDR\x0D
Metadata Status Type Coverage	wM1RCDR\x0D
Metadata Status Type Date	wM3RCDR\x0D
Metadata Status Type Description	wM4RCDR\x0D
Metadata Status Type Format	wM5RCDR\x0D
Metadata Status Type Identifier	wM6RCDR\x0D
Metadata Status Type Language	wM7RCDR\x0D
Metadata Status Type Presenter	wM2RCDR\x0D
Metadata Status Type Publisher	wM8RCDR\x0D
Metadata Status Type Relation	wM9RCDR\x0D
Metadata Status Type Rights	wM10RCDR\x0D
Metadata Status Type Source	wM11RCDR\x0D
Metadata Status Type Subject	wM12RCDR\x0D
Metadata Status Type System Name	wM15RCDR\x0D
Metadata Status Type Title	wM13RCDR\x0D
Metadata Status Type Type	wM14RCDR\x0D
Primary RTMP Status Stream Archive A	wS1*1RTMP\x0D
Primary RTMP Status Stream Archive B	wS1*2RTMP\x0D
Primary RTMP Status Stream Confidence A	wS1*3RTMP\x0D

**Global Scripter Module
Communication Sheet**

RCP 101 Executive Mode	99*X\x0D
Record	wYRCDR\x0D
Record Control	wX1RCDR\x0D
Record Destination	wDRCDR\x0D
Record Dual Control	wX2RCDR\x0D
Record Resolution	w1VRES\x0D
Recording Mode	w1SMOD\x0D
Recording Video Frame Rate	w1VFRM\x0D
Remaining Free Disk Space Drive Primary Unit GB	i
Remaining Free Disk Space Drive Primary Unit MB	i
Remaining Free Disk Space Drive Secondary Unit GB	i
Remaining Free Disk Space Drive Secondary Unit MB	i
Remaining Front USB Storage Unit GB	56I
Remaining Front USB Storage Unit MB	56I
Remaining Internal Storage Unit GB	55I
Remaining Internal Storage Unit MB	55I
Remaining Rear USB Storage Unit GB	57I
Remaining Rear USB Storage Unit MB	57I
Remaining Recording Time Drive Primary	36i
Remaining Recording Time Drive Secondary	36i
RTMP Backup URL Status Stream Archive A	wU2*1RTMP\x0D
RTMP Backup URL Status Stream Archive B	wU2*2RTMP\x0D
RTMP Backup URL Status Stream Confidence A	wU2*3RTMP\x0D
RTMP Primary URL Status Stream Archive A	wU1*1RTMP\x0D
RTMP Primary URL Status Stream Archive B	wU1*2RTMP\x0D
RTMP Primary URL Status Stream Confidence A	wU1*3RTMP\x0D
RTMP Stream Stream Archive A	wE1RTMP\x0D
RTMP Stream Stream Archive B	wE2RTMP\x0D
RTMP Stream Stream Confidence A	wE3RTMP\x0D
RTSP Stream URL	wCi\x0DwN1STRC\x0D
Stream Control Stream Archive A	w1STRC\x0D
Stream Control Stream Archive B	w2STRC\x0D
Stream Control Stream Confidence A	w3STRC\x0D
Thumbnail Size	wTRCDR\x0D
Video Bitrate Stream Archive A	wV1BITR\x0D
Video Bitrate Stream Archive B	wV2BITR\x0D
Video Bitrate Stream Confidence A	wV3BITR\x0D
Video Mute Channel A	1B
Video Mute Channel B	2B

