

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: Audio Processor
Manufacturer: Yamaha
Firmware Version: N/A
Model(s): TF5, TF1, TF-Rack

Tested on the Following Software and Firmware Versions

IP Link Pro Control Processor Firmware	Global Scriptor Version
2.06.0002-b002	1.4.2

Version History

Module Version	Date	Notes
1_0_0_0	4/18/2018	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`

Supported Classes and Examples

EthernetClass

```
InterfaceName = ModuleName.EthernetClass('192.168.254.254', 49280, Model='TF5')
```

Set Commands

Format with Qualifier:

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

Format without Qualifier:

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

Command	Value	
InputLevel	0 to 1000 in steps of 1	
Qualifier Key	Qualifier Value	
'Channel'	'1' – '40'	
# InputLevel example InterfaceName.Set('InputLevel', 1000, {'Channel': '1'})		
Command	Value	Value
InputMute	'On'	'Off'
Qualifier Key	Qualifier Value	
'Channel'	'1' – '40'	
# InputMute example InterfaceName.Set('InputMute', 'On', {'Channel': '1'})		
Command	Value	
OutputLevel	0 to 1000 in steps of 1	
Qualifier Key	Qualifier Value	
'Channel'	'1' – '20'	
# OutputLevel example InterfaceName.Set('OutputLevel', 1000, {'Channel': '1'})		
Command	Value	Value
OutputMute	'On'	'Off'
Qualifier Key	Qualifier Value	
'Channel'	'1' – '20'	
# OutputMute example InterfaceName.Set('OutputMute', 'On', {'Channel': '1'})		
Command	Value	
Preset	'0' – '99'	
Qualifier Key	Qualifier Value	Qualifier Value
'Scene'	'A'	'B'
Qualifier Key	Qualifier Value	Qualifier Value
'Action'	'Recall'	'Store'
# Preset example InterfaceName.Set('Preset', '0', {'Scene': 'A', 'Action': 'Recall'})		

Status Available

For all commands, call Update to receive the latest status. ConnectionStatus does not support the Update function and 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	Value
ConnectionStatus	'Connected'	'Disconnected'
# ConnectionStatus examples Value = InterfaceName.ReadStatus('ConnectionStatus') InterfaceName.SubscribeStatus('ConnectionStatus', None, FeedbackHandler)		
Command	Value	
Firmware	'String'	
# Firmware examples InterfaceName.Update('Firmware') Value = InterfaceName.ReadStatus('Firmware') InterfaceName.SubscribeStatus('Firmware', None, FeedbackHandler)		
Command	Value	
InputLevel	0 to 1000 in steps of 1	
Qualifier Key	Qualifier Value	
'Channel'	'1' – '40'	
# InputLevel examples InterfaceName.Update('InputLevel', {'Channel': '1'}) Value = InterfaceName.ReadStatus('InputLevel', {'Channel': '1'}) InterfaceName.SubscribeStatus('InputLevel', None, FeedbackHandler)		
Command	Value	Value
InputMute	'On'	'Off'
Qualifier Key	Qualifier Value	
'Channel'	'1' – '40'	
# InputMute examples InterfaceName.Update('InputMute', {'Channel': '1'}) Value = InterfaceName.ReadStatus('InputMute', {'Channel': '1'}) InterfaceName.SubscribeStatus('InputMute', None, FeedbackHandler)		
Command	Value	
OutputLevel	0 to 1000 in steps of 1	

Global Scripter Module Communication Sheet

Qualifier Key 'Channel'	Qualifier Value '1' – '20'	
# OutputLevel examples InterfaceName.Update('OutputLevel', {'Channel': '1'}) Value = InterfaceName.ReadStatus('OutputLevel', {'Channel': '1'}) InterfaceName.SubscribeStatus('OutputLevel', None, FeedbackHandler)		
Command OutputMute	Value 'On'	Value 'Off'
Qualifier Key 'Channel'	Qualifier Value '1' – '20'	
# OutputMute examples InterfaceName.Update('OutputMute', {'Channel': '1'}) Value = InterfaceName.ReadStatus('OutputMute', {'Channel': '1'}) InterfaceName.SubscribeStatus('OutputMute', None, FeedbackHandler)		

Network communication

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

Port Type:	Ethernet
Default Port:	49280
Logon Credentials Supported:	No
Multi-Connection Capabilities:	Undetermined
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

Input Level 0 Channel 1	setn MIXER:Current/InCh/Fader/Level 0 0 0\x0A
Input Level 1000 Channel 1	setn MIXER:Current/InCh/Fader/Level 0 0 1000\x0A
Input Level 0 Channel 32	setn MIXER:Current/InCh/Fader/Level 31 0 0\x0A
Input Level 1000 Channel 32	setn MIXER:Current/InCh/Fader/Level 31 0 1000\x0A
Input Level 0 Channel 40	setn MIXER:Current/InCh/Fader/Level 39 0 0\x0A
Input Level 1000 Channel 40	setn MIXER:Current/InCh/Fader/Level 39 0 1000\x0A
Input Mute Off Channel 1	set MIXER:Current/InCh/Fader/On 0 0 0\x0A
Input Mute On Channel 1	set MIXER:Current/InCh/Fader/On 0 0 1\x0A
Input Mute Off Channel 32	set MIXER:Current/InCh/Fader/On 31 0 0\x0A
Input Mute On Channel 32	set MIXER:Current/InCh/Fader/On 31 0 1\x0A
Input Mute Off Channel 40	set MIXER:Current/InCh/Fader/On 39 0 0\x0A
Input Mute On Channel 40	set MIXER:Current/InCh/Fader/On 39 0 1\x0A
Output Level 0 Channel 1	setn MIXER:Current/Mix/Fader/Level 0 0 0\x0A
Output Level 1000 Channel 1	setn MIXER:Current/Mix/Fader/Level 0 0 1000\x0A
Output Level 0 Channel 20	setn MIXER:Current/Mix/Fader/Level 19 0 0\x0A
Output Level 1000 Channel 20	setn MIXER:Current/Mix/Fader/Level 19 0 1000\x0A
Output Mute Off Channel 1	set MIXER:Current/Mix/Fader/On 0 0 0\x0A
Output Mute On Channel 1	set MIXER:Current/Mix/Fader/On 0 0 1\x0A
Output Mute Off Channel 20	set MIXER:Current/Mix/Fader/On 19 0 0\x0A
Output Mute On Channel 20	set MIXER:Current/Mix/Fader/On 19 0 1\x0A
Preset 0 Scene A Action Recall	ssrecall_ex scene_a 0\x0A
Preset 99 Scene A Action Recall	ssrecall_ex scene_a 99\x0A
Preset 0 Scene A Action Store	ssupdate_ex scene_a 0\x0A
Preset 99 Scene A Action Store	ssupdate_ex scene_a 99\x0A
Preset 0 Scene B Action Recall	ssrecall_ex scene_b 0\x0A
Preset 99 Scene B Action Recall	ssrecall_ex scene_b 99\x0A
Preset 0 Scene B Action Store	ssupdate_ex scene_b 0\x0A
Preset 99 Scene B Action Store	ssupdate_ex scene_b 99\x0A

Appendix B. Update Commands

Firmware	devinfo version\x0A
Input Level Channel 1	getn MIXER:Current/InCh/Fader/Level 0 0\x0A
Input Level Channel 32	getn MIXER:Current/InCh/Fader/Level 31 0\x0A
Input Level Channel 40	getn MIXER:Current/InCh/Fader/Level 39 0\x0A
Input Mute Channel 1	get MIXER:Current/InCh/Fader/On 0 0\x0A
Input Mute Channel 32	get MIXER:Current/InCh/Fader/On 31 0\x0A
Input Mute Channel 40	get MIXER:Current/InCh/Fader/On 39 0\x0A
Output Level Channel 1	getn MIXER:Current/Mix/Fader/Level 0 0\x0A
Output Level Channel 20	getn MIXER:Current/Mix/Fader/Level 19 0\x0A
Output Mute Channel 20	get MIXER:Current/Mix/Fader/On 19 0\x0A