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 Scripter Modules, refer to the "Guide to Using Scripter Modules" document.

Device Specifications

Device Type: Video Conference
Manufacturer: Poly
Firmware Version: 4.0.2-384012
Model(s):   G7500

Tested on the Following Software and Firmware Versions

IP Link Pro Control Processor Firmware	Global Scripter Version
3.17.0000-b002	2.20.0.16

Version History

Module Version	Date	Notes
1_5_1_0	8/24/2023	Added Content Navigation, Results, Result Set, and Update. Added Module Notes regarding Version command.
1_5_0_0	1/7/2022	Added Number of Meeting Results parameter. Increased Meeting parameter maximum value from 5 to 10 for all Meeting status. Added Meeting Navigation, Provider Lock, and Provider Mode. Fixed Meeting commands.

1_3_0_0	11/10/2021	Added Sleep Mode query protection. Added authentication support for serial control. Added Keypad, Menu Navigation, and Selfview commands. Fixed Hangup issue.
		• Updated Call History, Call Info, Meeting, Phonebook, and Phonebook Group logic
		• Call History Results and Results Set
		   ○ Position
		      ■ Changed type to Decimal from Enum
		      ■ Renamed to Call
		• Call Info

- o Renamed to Call Info State
- o Added Opened, Ringing, Disconnecting, and Disconnected states
- Call Info Name, Number, and State
  - o Call
    - Changed type to Decimal from Enum
  - o Updated status to be based off unsolicited data
- Call State
  - o This command is removed
- Call Sate Incoming Call ID
  - o Updated status behavior to only show incoming caller
  - o Renamed to Call Info Caller ID
- Camera Near Tracking Mode
  - o Fixed status
- Config Display
  - o Renamed to Config Display 1
- Hook
  - o Added Dial 256Kbps, 384Kbps, 768Kbps, 1.4Mbps, 1.9Mbps, and 3.8Mbps
  - o Removed Dial 832Kbps and 1.7Mbps
  - o Renamed Dial 6Mbps → Dial 6.1Mbps
- LAN Port
  - o Added status
- Meeting End, Location, Number, Organizer, Start, Subject, and Time Combined
  - o Label
    - Changed type to Decimal from Enum
    - Renamed to Meeting
- Mute Far Status
  - o Added Unknown
- Phonebook Navigation and Group Navigation
  - o Removed Phonebook Type qualifier
- Phonebook Results, Results Set, Group Results, and Group Results Set
  - o Position
    - Changed type to Decimal from Enum
    - Renamed to Entry
- Phonebook Update
  - o Changed Phonebook Type qualifier to Value
- Selfview
  - o Fixed status
- Sleep Time
  - o Added 45 state.
- Transmit Mute
  - o Fixed status

		• Version Added status
1_1_4_0	12/10/2020	Added Meeting commands and logic.
1_1_3_0	10/14/2020	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 and deviceUsername must be set accordingly. deviceUsername default value is admin respectively.
  ```
  Example: InterfaceName.deviceUsername = 'extron'
  ```

- MeetingsTimeFormat variable must be set accordingly. Default value is '12 Hour'.
  ```
  Example: InterfaceName.MeetingsTimeFormat = '12 Hour'
  ```

- MeetingsTimeInterval variable must be set accordingly. Default value is 'One Day'.
  ```
  Example: InterfaceName.MeetingsTimeInterval = 'One Day'
  ```

- NumberofPhonebookResults variable must be set accordingly. Default value is '5'. NumberofPhonebookResults ranges from 1 to 15.
  ```
  Example: InterfaceName.NumberofPhonebookResults = '5'
  ```

- NumberofCallHistoryResults variable must be set accordingly. Default value is '5'. NumberofCallHistoryResults ranges from 1 to 10.
  ```
  Example: InterfaceName.NumberofCallHistoryResults = '5'
  ```

- NumberofMeetingResults variable must be set accordingly. Default value is '5'. NumberofMeetingResults ranges from 1 to 10.
  ```
  Example: InterfaceName.NumberofMeetingResults = '5'
  ```

- It is recommended to have a 0.2 second pacing between commands.

- When Sleep Mode is Sleep or Unknown, the following queries will not be sent to the device as it causes it to wake up:
  - Camera Near Tracking
  - Camera Near Tracking Mode
  - Camera Source
  - Video Content Source

- If authentication is required for serial control, the module must be programmed for bidirectional communication to authenticate with the device.

- Version command will need to be updated and polled at least 4 times upon initialization for the following statuses to update:
    - Sleep Mode
    - Call Info Caller ID
    - Call Info Name
    - Call Info Number
    - Call Info State

Call History Commands

- Call History Update
  - This command is used to query the Call History in which the device will respond with a list of results which will be populated in Call History Results.
- Call History Results
  - This is where the results will be saved to when Call History is updated. The number of results is set by a module parameter Number of Call History Results which is set to 5 results by default. Use text feedback to display the search results.
- Call History Navigation
  - This command is used for navigating through the search results. When there are more search results from the Call History Update than the Number of Call History Results, the user can scroll through these results one entry or page at a time.
- Call History Result Set
  - This command obtains the result from Call History Results and sends to the Dial String status to be used for dialing functionality.

Content Commands

- Content Update
  - This command is used to query the content by type in which the device will respond with a list of results which will be populated in Content Results.
- Content Results
  - This is where the results will be saved to when the content is updated. The number of results is set by a driver parameter Number of Content Results which is set to 5 results by default. Use text feedback to display the search results.
- Content Navigation
  - This command is used for navigating through the search results. When there are more search results from the Content Update than the Number of Content Results, the user can scroll through these results one entry or page at a time.
- Content Result Set
  - This command obtains the result from Content Results to show, hide, or close the content.

Rev. B1

Meeting Commands

- Meetings will be automatically updated every 120 seconds.
- Number of Meeting Results
  - Module parameter that determines the number of results to display. Use text feedback to display the search results.
  - Default value is set to 5 and ranges from 1 – 10.
- Meetings Time Interval
  - Module parameter that determines the time range of Meetings to query.
  - Default value is set to 'One Day'.
- Meeting Navigation
  - This command is used for navigating through the search results. When there are more search results from the Meeting Refresh than the Number of Meeting Results, the user can scroll through these results one entry or page at a time.
- Meeting Refresh
  - This command will refresh the meetings list, based on the time range defined by the Meetings Time Interval driver parameter.
- Calendar Status
  - Returns status if the calendar server has been Established or if it is Unavailable.
- Meeting Number
  - Returns the meeting number when configured or if the meeting room is not dialable.
- Meeting Number Set
  - When the number selected, it will copy the number over to Dial String command for dialing.
- Meeting Organizer
  - Returns the meeting organizer name.
- Meeting Start
  - Returns the meeting start time.
- Meeting End
  - Returns the meeting end time.
- Meeting Time Combined
  - Returns the meeting Day, Start and End time i.e. "Mon 11:00AM – 12:00PM".
- Meeting Subject
  - Returns the Meeting subject.
- Meeting Location
  - Returns the Meeting location.

Phonebook Commands

- Phonebook Update
    - o This command updates the phonebook statuses depending on which value is used:
        - Local: Retrieves local directory entries for groups and contacts using Phonebook Search and Phonebook Group Search as filters.
        - Global: Retrieves global directory entries using Phonebook Search and Phonebook Group Search as filters.
        - Global Grouplist: Returns the top tier group list. This does not use Phonebook Search and Phonebook Group Search as filters.

- Phonebook Group Results
    - o This is where the search results (group entries) will be saved to when phonebook is searched. The number of results is set by a module parameter Number of Phonebook Results which is set to 5 result by default. Use text feedback to display the search results.
- Phonebook Group Navigation
    - o This command is used for navigating through the group search results. When there are more search results from the Phonebook Update than the Number of Phonebook Results, the user can scroll through these results one entry or page at a time.
- Phonebook Group Result Set
    - o This command obtains the result from Phonebook Group Results and sends the group's UID to Phonebook Group Search to be used for updating the phonebook for that specific group.
- Phonebook Group Search
    - o This command determines if there is a specific group UID to be used for updating the phonebook.

- Phonebook Results
    - o This is where the search results will be saved to when phonebook is searched. The number of results is set by a module parameter Number of Phonebook Results which is set to 5 result by default. Use text feedback to display the search results.
- Phonebook Navigation
    - o This command is used for navigating through the search results. When there are more search results from the Phonebook Update than the Number of Phonebook Results, the user can scroll through these results one entry or page at a time.
- Phonebook Result Set
    - o This command obtains the result from Phonebook Results and sends to the Dial String status to be used for dialing functionality.
- Phonebook Search
    - o This command takes in a search phrase and is used during Phonebook Update to filter the results.

Query Commands

The following commands trigger a query command and should not be sent at a faster rate than the Command Timeout Duration specified.

Command Name	Command Timeout Duration
Call History Update	5 seconds
Content Update	5 seconds
Meeting Refresh	5 seconds
Phonebook Update	5 seconds

Supported Classes and Examples

SerialClass
InterfaceName = ModuleName.SerialClass(ProcessorName, 'COM1', Model='G7500')
SerialOverEthernetClass
InterfaceName = ModuleName.SerialOverEthernetClass('192.168.254.254', 2001, Model='G7500')
SSHClass

#Password Required
    InterfaceName = ModuleName.SSHClass('192.168.254.254', 22, Credentials=('admin', 'extron'), Model='G7500')
 	
#No Password Required
    InterfaceName = ModuleName.SSHClass('192.168.254.254', 22, Credentials=('admin', ''), Model='G7500')

Rev. B1

**Global Scripter Module
Communication Sheet**

Control Commands

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

Format without Qualifier:
```
InterfaceName.Set(Command, Value)
```

Command	Value	Value	Value
AutoAnswer	'Yes'	'No'	'Do Not Disturb'
``# AutoAnswer example`` ``InterfaceName.Set('AutoAnswer', 'Yes')``			
CallHistoryNavigation	'Up'	'Down'	'Page Up'
	'Page Down'		
``# CallHistoryNavigation example`` ``InterfaceName.Set('CallHistoryNavigation', 'Up')``			
CallHistoryResultSet	None		
'Call' *(Qualifier Key)*	1 – 10 *(Qualifier Value)*		
``# CallHistoryResultSet example`` ``InterfaceName.Set('CallHistoryResultSet', None, {'Call': 10})``			
CallHistoryUpdate	None		
``# CallHistoryUpdate example`` ``InterfaceName.Set('CallHistoryUpdate', None)``			
CameraNearTracking	'On'	'Off'	
``# CameraNearTracking example`` ``InterfaceName.Set('CameraNearTracking', 'On')``			
CameraNearTrackingMode	'Speaker'	'Group'	'Group with Transition'
	'Off'		
``# CameraNearTrackingMode example`` ``InterfaceName.Set('CameraNearTrackingMode', 'Speaker')``			
CameraPTZ	'Up'	'Down'	'Left'
	'Right'	'Stop'	'Zoom+'
	'Zoom-'		
'Mode' *(Qualifier Key)*	'Near' *(Qualifier Value)*	'Far' *(Qualifier Value)*	
``# CameraPTZ example`` ``InterfaceName.Set('CameraPTZ', 'Up', {'Mode': 'Near'})``			
CameraSource	'1' – '4'		
'Mode' *(Qualifier Key)*	'Near' *(Qualifier Value)*	'Far' *(Qualifier Value)*	
``# CameraSource example`` ``InterfaceName.Set('CameraSource', '1', {'Mode': 'Near'})``			

Command	Value	Value	Value
ConfigDisplay1	'Auto'	'1920x1080p @ 50Hz'	'1920x1080p @ 60Hz'
	'3840x2160p @ 25Hz'	'3840x2160p @ 30Hz'	'3840x2160p @ 50Hz'
	'3840x2160p @ 60Hz'		

```
# ConfigDisplay1 example
InterfaceName.Set('ConfigDisplay1', 'Auto')
```

Command	Value	Value	Value
ConfigDisplay2	'Off'	'Auto'	'1920x1080p @ 50Hz'
	'1920x1080p @ 60Hz'		

```
# ConfigDisplay2 example
InterfaceName.Set('ConfigDisplay2', 'Off')
```

Command	Value	Value
ConfigPresentationContent	'Single'	'Dual'

```
# ConfigPresentationContent example
InterfaceName.Set('ConfigPresentationContent', 'Single')
```

Command	Value	Value
ConfigPresentationSelfView	'Corner'	'Full Screen'

```
# ConfigPresentationSelfView example
InterfaceName.Set('ConfigPresentationSelfView', 'Corner')
```

Command	Value	Value
ContentAuto	'On'	'Off'

```
# ContentAuto example
InterfaceName.Set('ContentAuto', 'On')
```

Command	Value	Value	Value
ContentNavigation	'Up'	'Down'	'Page Up'

```
# ContentAuto example
InterfaceName.Set('ContentAuto', 'On')
```

Command	Value	Value	Value
ContentResultSet	'Show'	'Hide'	'Close'
Qualifier Key	Qualifier Value		
'Content'	1 – 10		

```
# ContentResultSet example
InterfaceName.Set('ContentResultSet', 'Show', {'Content': 10})
```

Command	Value	Value	Value
ContentUpdate	'All'	'Unknown'	'Content Cam'
	'PPCIP'	'Miracast'	'AirPlay'
	'Drawing Board'		

```
# ContentUpdate example
InterfaceName.Set('ContentUpdate', 'All')
```

Command	Value		
DialString	String		

```
# DialString example
InterfaceName.Set('DialString', 'Dial String')
```

Command	Value	Value	Value
DTMF	'0' – '9'	'*'	'#'

```
# DTMF example
InterfaceName.Set('DTMF', '0')
```

Command	Value	Value	Value
Hook	'Answer'	'Dial 128Kbps'	'Dial 256Kbps'
	'Dial 384Kbps'	'Dial 512Kbps'	'Dial 768Kbps'
	'Dial 1Mbps'	'Dial 1.4Mbps'	'Dial 1.9Mbps'
	'Dial 2Mbps'	'Dial 3Mbps'	'Dial 3.8Mbps'
	'Dial 4Mbps'	'Dial 6.1Mbps'	'Dial Auto'
	'Dial Name'	'Dial UID'	'Dial H323'

	'Dial IP'	'Dial SIP'	'Hangup 1'
	'Hangup 2'	'Hangup 3'	'Hangup 4'
	'Hangup 5'	'Hangup All'	

# Hook example
InterfaceName.Set('Hook', 'Answer')

Command	Value	Value	Value
Keypad	'0' – '9'	'.'	'#'
	'*'		

# Keypad example
InterfaceName.Set('Keypad', '0')

Command	Value	Value	Value
MeetingNavigation	'Up'	'Down'	'Page Up'
	'Page Down'		

# MeetingNavigation example
InterfaceName.Set('MeetingNavigation', 'Up')

Command	Value
MeetingNumberSet	None
Qualifier Key	Qualifier Value
'Meeting'	1 – 10

# MeetingNumberSet example
InterfaceName.Set('MeetingNumberSet', None, {'Meeting': 10})

Command	Value
MeetingRefresh	None

# MeetingRefresh example
InterfaceName.Set('MeetingRefresh', None)

Command	Value	Value	Value
MenuNavigation	'Up'	'Down'	'Left'
	'Right'	'Menu'	'Call Screen'
	'Keyboard'	'Select'	'Back'
	'Delete'		

# MenuNavigation example
InterfaceName.Set('MenuNavigation', 'Up')

Command	Value	Value	Value
PhonebookGroupNavigation	'Up'	'Down'	'Page Up'
	'Page Down'		

# PhonebookGroupNavigation example
InterfaceName.Set('PhonebookGroupNavigation', 'Up')

Command	Value
PhonebookGroupResultSet	None
Qualifier Key	Qualifier Value
'Group'	1 – 15

# PhonebookGroupResultSet example
InterfaceName.Set('PhonebookGroupResultSet', None, {'Group': 15})

Command	Value
PhonebookGroupSearch	'String'

# PhonebookGroupSearch example
InterfaceName.Set('PhonebookGroupSearch', 'String')

Command	Value	Value	Value
PhonebookNavigation	'Up'	'Down'	'Page Up'
	'Page Down'		

# PhonebookNavigation example
InterfaceName.Set('PhonebookNavigation', 'Up')

Command **PhonebookResultSet**	Value None		
Qualifier Key **'Entry'**	Qualifier Value 1 – 15		
Qualifier Key **'Type'**	Qualifier Value 'Name' 'H323 Extension'	Qualifier Value 'UID' 'SIP Number'	Qualifier Value 'H323 Number'

# PhonebookResultSet example 	
InterfaceName.Set('PhonebookResultSet', None, {'Entry': 15, 'Type': 'Name'})			

Command **PhonebookSearch**	Value 'String'		

# PhonebookSearch example 	
InterfaceName.Set('PhonebookSearch', 'String')			

Command **PhonebookUpdate**	Value 'Local'	Value 'Global'	Value 'Global Grouplist'

# PhonebookUpdate example 	
InterfaceName.Set('PhonebookUpdate', 'Local')			

Command **PresetFar**	Value '0' – '15'		
Qualifier Key **'Mode'**	Qualifier Value 'Recall'	Qualifier Value 'Save'	

# PresetFar example 	
InterfaceName.Set('PresetFar', '0', {'Mode': 'Recall'})			

Command **PresetNear**	Value '0' – '99'		
Qualifier Key **'Mode'**	Qualifier Value 'Recall'	Qualifier Value 'Save'	

# PresetNear example 	
InterfaceName.Set('PresetNear', '0', {'Mode': 'Recall'})			

Command **ProviderMode**	Value 'Poly' 'GoToRoom' 'Device Mode'	Value 'Zoom Rooms' 'BlueJeans Rooms' 'StarLeaf'	Value 'Microsoft Teams' 'RingCentral Rooms' 'Dialpad Conference Room'

# ProviderMode example 	
InterfaceName.Set('ProviderMode', 'Poly')			

Command **Reboot**	Value None		

# Reboot example 	
InterfaceName.Set('Reboot', None)			

Command **Selfview**	Value 'On'	Value 'Off'	Value 'Auto'

# Selfview example 	
InterfaceName.Set('Selfview', 'On')			

Command **SleepMode**	Value 'Sleep'	Value 'Wake'	

# SleepMode example 	
InterfaceName.Set('SleepMode', 'Sleep')			

Command **SleepTime**	Value '0' – '480'		

# SleepTime example 	
InterfaceName.Set('SleepTime', '0')			

**Global Scripter Module
Communication Sheet**

Command	Value	
TransmitLevel	-6 to 18 in steps of 1 dB	

# TransmitLevel example 	
InterfaceName.Set('TransmitLevel', 18)		

Command	Value	Value
TransmitMute	'On'	'Off'

# TransmitMute example 	
InterfaceName.Set('TransmitMute', 'On')		

Command	Value	Value
VideoContentSource	'1' – '6'	'Stop'

# VideoContentSource example 	
InterfaceName.Set('VideoContentSource', '1')		

Command	Value	Value
VideoMute	'On'	'Off'

# VideoMute example 	
InterfaceName.Set('VideoMute', 'On')		

Command	Value	
Volume	0 to 50 in steps of 1	

# Volume example 	
InterfaceName.Set('Volume', 50)		

Status Available

For all commands, call Update to receive the latest status. ConnectionStatus, CallHistoryResults, CallInfoCallerID, CallInfoName, CallInfoNumber, CallInfoState, MeetingEnd, MeetingLocation, MeetingNumber, MeetingOrganizer, MeetingStart, MeetingSubject, MeetingTimeCombined, PhonebookGroupResults, PhonebookResults, and SleepMode 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	Value	Value
AutoAnswer	'Yes'	'No'	'Do Not Disturb'
<td colspan="4"># AutoAnswer example InterfaceName.Update('AutoAnswer') Value = InterfaceName.ReadStatus('AutoAnswer') InterfaceName.SubscribeStatus('AutoAnswer', None, FeedbackHandler)</td>			
Command	Value	Value	
CalendarStatus	'Established'	'Unavailable'	
<td colspan="4"># CalendarStatus example InterfaceName.Update('CalendarStatus') Value = InterfaceName.ReadStatus('CalendarStatus') InterfaceName.SubscribeStatus('CalendarStatus', None, FeedbackHandler)</td>			
Command	Value		
CallHistoryResults	'String'		
Qualifier Key **'Call'**	Qualifier Value $1-10$		
<td colspan="4"># CallHistoryResults example Value = InterfaceName.ReadStatus('CallHistoryResults', {'Call': 10}) InterfaceName.SubscribeStatus('CallHistoryResults', None, FeedbackHandler)</td>			
Command	Value		
CallInfoCallerID [1]	'String'		
<td colspan="4"># CallInfoCallerID example Value = InterfaceName.ReadStatus('CallInfoCallerID') InterfaceName.SubscribeStatus('CallInfoCallerID', None, FeedbackHandler)</td>			
Command	Value		
CallInfoName [1]	'String'		
Qualifier Key **'Call'**	Qualifier Value $1-5$		
<td colspan="4"># CallInfoName example Value = InterfaceName.ReadStatus('CallInfoName', {'Call': 5}) InterfaceName.SubscribeStatus('CallInfoName', None, FeedbackHandler)</td>			

Global Scripter Module
Communication Sheet

Command **CallInfoNumber** [1]	Value 'String'		
Qualifier Key **'Call'**	Qualifier Value $1 - 5$		

# CallInfoNumber example 	
Value = InterfaceName.ReadStatus('CallInfoNumber', {'Call': 5})
InterfaceName.SubscribeStatus('CallInfoNumber', None, FeedbackHandler)			

Command **CallInfoState** [1]	Value 'Opened' 'Connected' 'Inactive'	Value 'Ringing' 'Disconnecting'	Value 'Connecting' 'Disconnected'
Qualifier Key **'Call'**	Qualifier Value $1 - 5$		

# CallInfoState example 	
Value = InterfaceName.ReadStatus('CallInfoState', {'Call': 5})
InterfaceName.SubscribeStatus('CallInfoState', None, FeedbackHandler)			

Command **CameraNearTracking**	Value 'On'	Value 'Off'	

# CameraNearTracking example 	
InterfaceName.Update('CameraNearTracking')
Value = InterfaceName.ReadStatus('CameraNearTracking')
InterfaceName.SubscribeStatus('CameraNearTracking', None, FeedbackHandler)			

Command **CameraNearTrackingMode**	Value 'Speaker' 'Off'	Value 'Group'	Value 'Group with Transition'

# CameraNearTrackingMode example 	
InterfaceName.Update('CameraNearTrackingMode')
Value = InterfaceName.ReadStatus('CameraNearTrackingMode')
InterfaceName.SubscribeStatus('CameraNearTrackingMode', None, FeedbackHandler)			

Command **CameraSource**	Value '1' $-$ '4'	Value 'Unavailable'	
Qualifier Key **'Mode'**	Qualifier Value 'Near'	Qualifier Value 'Far'	

# CameraSource example 	
InterfaceName.Update('CameraSource', {'Mode': 'Near'})
Value = InterfaceName.ReadStatus('CameraSource', {'Mode': 'Near'})
InterfaceName.SubscribeStatus('CameraSource', None, FeedbackHandler)			

Command **ConfigDisplay1**	Value 'Auto' '3840x2160p @ 25Hz' '3840x2160p @ 60Hz'	Value '1920x1080p @ 50Hz' '3840x2160p @ 30Hz'	Value '1920x1080p @ 60Hz' '3840x2160p @ 50Hz'

# ConfigDisplay1 example 	
InterfaceName.Update('ConfigDisplay1')
Value = InterfaceName.ReadStatus('ConfigDisplay1')
InterfaceName.SubscribeStatus('ConfigDisplay1', None, FeedbackHandler)			

Command **ConfigDisplay2**	Value 'Off' '1920x1080p @ 60Hz'	Value 'Auto'	Value '1920x1080p @ 50Hz'

# ConfigDisplay2 example 	
InterfaceName.Update('ConfigDisplay2')
Value = InterfaceName.ReadStatus('ConfigDisplay2')
InterfaceName.SubscribeStatus('ConfigDisplay2', None, FeedbackHandler)			

Command	Value	Value
ConfigPresentationContent	'Single'	'Dual'

```
# ConfigPresentationContent example
InterfaceName.Update('ConfigPresentationContent')
Value = InterfaceName.ReadStatus('ConfigPresentationContent')
InterfaceName.SubscribeStatus('ConfigPresentationContent', None, FeedbackHandler)
```

Command	Value	Value
ConfigPresentationSelfView	'Corner'	'Full Screen'

```
# ConfigPresentationSelfView example
InterfaceName.Update('ConfigPresentationSelfView')
Value = InterfaceName.ReadStatus('ConfigPresentationSelfView')
InterfaceName.SubscribeStatus('ConfigPresentationSelfView', None, FeedbackHandler)
```

Command	Value	Value
ConnectionStatus	'Connected'	'Disconnected'

```
# ConnectionStatus example
Value = InterfaceName.ReadStatus('ConnectionStatus')
InterfaceName.SubscribeStatus('ConnectionStatus', None, FeedbackHandler)
```

Command	Value	Value
ContentAuto	'On'	'Off'

```
# ContentAuto example
InterfaceName.Update('ContentAuto')
Value = InterfaceName.ReadStatus('ContentAuto')
InterfaceName.SubscribeStatus('ContentAuto', None, FeedbackHandler)
```

Command	Value
ContentResults	'String'
Qualifier Key	Qualifier Value
'Content'	$1 - 10$

```
# ContentResults example
Value = InterfaceName.ReadStatus('ContentResults', {'Content': 10})
InterfaceName.SubscribeStatus('ContentResults', None, FeedbackHandler)
```

Command	Value	Value	Value
LANPort	'Auto'	'10 Mbps Half Duplex'	'10 Mbps Full Duplex'
	'100 Mbps Half Duplex'	'100 Mbps Full Duplex'	'1000 Mbps Half Duplex'
	'1000 Mbps Full Duplex'		

```
# LANPort example
InterfaceName.Update('LANPort')
Value = InterfaceName.ReadStatus('LANPort')
InterfaceName.SubscribeStatus('LANPort', None, FeedbackHandler)
```

Command	Value
MeetingEnd	'String'
Qualifier Key	Qualifier Value
'Meeting'	$1 - 10$

```
# MeetingEnd example
Value = InterfaceName.ReadStatus('MeetingEnd', {'Meeting': 10})
InterfaceName.SubscribeStatus('MeetingEnd', None, FeedbackHandler)
```

Command	Value
MeetingLocation	'String'
Qualifier Key	Qualifier Value
'Meeting'	$1 - 10$

```
# MeetingLocation example
Value = InterfaceName.ReadStatus('MeetingLocation', {'Meeting': 10})
InterfaceName.SubscribeStatus('MeetingLocation', None, FeedbackHandler)
```

Command	Value		
MeetingNumber	'String'		
Qualifier Key	Qualifier Value		
'Meeting'	$1-10$		

# MeetingNumber example 	
Value = InterfaceName.ReadStatus('MeetingNumber', {'Meeting': 10})
InterfaceName.SubscribeStatus('MeetingNumber', None, FeedbackHandler)			

Command	Value		
MeetingOrganizer	'String'		
Qualifier Key	Qualifier Value		
'Meeting'	$1-10$		

# MeetingOrganizer example 	
Value = InterfaceName.ReadStatus('MeetingOrganizer', {'Meeting': 10})
InterfaceName.SubscribeStatus('MeetingOrganizer', None, FeedbackHandler)			

Command	Value		
MeetingStart	'String'		
Qualifier Key	Qualifier Value		
'Meeting'	$1-10$		

# MeetingStart example 	
Value = InterfaceName.ReadStatus('MeetingStart', {'Meeting': 10})
InterfaceName.SubscribeStatus('MeetingStart', None, FeedbackHandler)			

Command	Value		
MeetingSubject	'String'		
Qualifier Key	Qualifier Value		
'Meeting'	$1-10$		

# MeetingSubject example 	
Value = InterfaceName.ReadStatus('MeetingSubject', {'Meeting': 10})
InterfaceName.SubscribeStatus('MeetingSubject', None, FeedbackHandler)			

Command	Value		
MeetingTimeCombined	'String'		
Qualifier Key	Qualifier Value		
'Meeting'	$1-10$		

# MeetingTimeCombined example 	
Value = InterfaceName.ReadStatus('MeetingTimeCombined', {'Meeting': 10})
InterfaceName.SubscribeStatus('MeetingTimeCombined', None, FeedbackHandler)			

Command	Value	Value	Value
MuteFarStatus	'On'	'Off'	'Unknown'

# MuteFarStatus example 	
InterfaceName.Update('MuteFarStatus')
Value = InterfaceName.ReadStatus('MuteFarStatus')
InterfaceName.SubscribeStatus('MuteFarStatus', None, FeedbackHandler)			

Command	Value		
PhonebookGroupResults	'String'		
Qualifier Key	Qualifier Value		
'Group'	$1-15$		

# PhonebookGroupResults example 	
Value = InterfaceName.ReadStatus('PhonebookGroupResults', {'Group': 15})
InterfaceName.SubscribeStatus('PhonebookGroupResults', None, FeedbackHandler)			

Command	Value		
PhonebookResults	'String'		
Qualifier Key	Qualifier Value		
'Entry'	$1-15$		

# PhonebookResults example 	
Value = InterfaceName.ReadStatus('PhonebookResults', {'Entry': 15})
InterfaceName.SubscribeStatus('PhonebookResults', None, FeedbackHandler)			

Command	Value	Value	Value
PresentationStatus	'Play' 'Unknown'	'Far Site Play'	'Stop'

```
# PresentationStatus example
InterfaceName.Update('PresentationStatus')
Value = InterfaceName.ReadStatus('PresentationStatus')
InterfaceName.SubscribeStatus('PresentationStatus', None, FeedbackHandler)
```

Command	Value	Value	
ProviderLock	'Locked'	'Unlocked'	

```
# ProviderLock example
InterfaceName.Update('ProviderLock')
Value = InterfaceName.ReadStatus('ProviderLock')
InterfaceName.SubscribeStatus('ProviderLock', None, FeedbackHandler)
```

Command	Value	Value	Value
ProviderMode	'Poly' 'GoToRoom' 'Device Mode'	'Zoom Rooms' 'BlueJeans Rooms' 'StarLeaf'	'Microsoft Teams' 'RingCentral Rooms' 'Dialpad Conference Room'

```
# ProviderMode example
InterfaceName.Update('ProviderMode')
Value = InterfaceName.ReadStatus('ProviderMode')
InterfaceName.SubscribeStatus('ProviderMode', None, FeedbackHandler)
```

Command	Value	Value	Value
Selfview	'On'	'Off'	'Auto'

```
# Selfview example
InterfaceName.Update('Selfview')
Value = InterfaceName.ReadStatus('Selfview')
InterfaceName.SubscribeStatus('Selfview', None, FeedbackHandler)
```

Command	Value	Value	Value
SleepMode [1]	'Sleep'	'Wake'	'Unknown'

```
# SleepMode example
Value = InterfaceName.ReadStatus('SleepMode')
InterfaceName.SubscribeStatus('SleepMode', None, FeedbackHandler)
```

Command	Value
SleepTime	'0' – '480'

```
# SleepTime example
InterfaceName.Update('SleepTime')
Value = InterfaceName.ReadStatus('SleepTime')
InterfaceName.SubscribeStatus('SleepTime', None, FeedbackHandler)
```

Command	Value
TransmitLevel	-6 to 18 in steps of 1 dB

```
# TransmitLevel example
InterfaceName.Update('TransmitLevel')
Value = InterfaceName.ReadStatus('TransmitLevel')
InterfaceName.SubscribeStatus('TransmitLevel', None, FeedbackHandler)
```

Command	Value	Value
TransmitMute	'On'	'Off'

```
# TransmitMute example
InterfaceName.Update('TransmitMute')
Value = InterfaceName.ReadStatus('TransmitMute')
InterfaceName.SubscribeStatus('TransmitMute', None, FeedbackHandler)
```

Command	Value
Version	'String'

```
# Version example
InterfaceName.Update('Version')
Value = InterfaceName.ReadStatus('Version')
InterfaceName.SubscribeStatus('Version', None, FeedbackHandler)
```

Command	Value	Value
VideoContentSource	'1' – '6'	'Stop'

```
# VideoContentSource example
InterfaceName.Update('VideoContentSource')
Value = InterfaceName.ReadStatus('VideoContentSource')
InterfaceName.SubscribeStatus('VideoContentSource', None, FeedbackHandler)
```

Command	Value	Value
VideoMute	'On'	'Off'

```
# VideoMute example
InterfaceName.Update('VideoMute')
Value = InterfaceName.ReadStatus('VideoMute')
InterfaceName.SubscribeStatus('VideoMute', None, FeedbackHandler)
```

Command	Value
Volume	0 to 50 in steps of 1

```
# Volume example
InterfaceName.Update('Volume')
Value = InterfaceName.ReadStatus('Volume')
InterfaceName.SubscribeStatus('Volume', None, FeedbackHandler)
```

[1] Refer to the note regarding Version command on Page 5 of 26 for status functionality.

Cable and Adapter Requirements

Captive Screw to Male Mini DIN 8 Pin RS-232 Serial Cable

Notes for the Device

To ensure the functionality of the module, please set Web UI → General Settings → Serial Ports → Mode →
RS-232 Mode to **Control**.

Additionally, please set Serial Port Options → Baud Rate to the highest possible rate. If authentication is
required, the module must be configured for bidirectional communication to authenticate with the device.

Serial communication

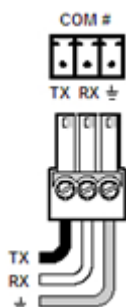|			
Port Type:	RS-232	**Parity:**	None
Baud Rate:	9600	**Stop Bits:**	One
Data Bits:	8	**Flow Control:**	None

Pin Assignments Diagram

Please contact the manufacturer for pin assignment diagram.

Network communication

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

Port Type:	Ethernet (SSH)
Default Port:	22
Logon Credentials Supported:	Yes
Default Username:	admin
Default Password:	
Multi-Connection Capabilities:	Yes
Port Changeability:	No

Ethernet Module Configuration Description

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

Notes for the Device

To ensure the functionality of the module, please enable Web UI → Security → Access → **Enable Legacy API Over SSH**.

**Global Scripter Module
Communication Sheet**

Appendix A. Set Commands

Auto Answer Do Not Disturb	`autoanswer donotdisturb\x0D`
Auto Answer No	`autoanswer no\x0D`
Auto Answer Yes	`autoanswer yes\x0D`
Camera Near Tracking Mode Group	`cameratracking near mode group\x0D`
Camera Near Tracking Mode Group with Transition	`cameratracking near mode groupwithtransition\x0D`
Camera Near Tracking Mode Off	`cameratracking near mode off\x0D`
Camera Near Tracking Mode Speaker	`cameratracking near mode speaker\x0D`
Camera Near Tracking Off	`camera near tracking off\x0D`
Camera Near Tracking On	`camera near tracking on\x0D`
Camera Source 1 Mode Far	`camera far 1\x0D`
Camera Source 1 Mode Near	`camera near 1\x0D`
Camera Source 4 Mode Far	`camera far 4\x0D`
Camera Source 4 Mode Near	`camera near 4\x0D`
Config Display 1 1920x1080p @ 50Hz	`configdisplay monitor1 50hz1920x1080p\x0D`
Config Display 1 1920x1080p @ 60Hz	`configdisplay monitor1 60hz1920x1080p\x0D`
Config Display 1 3840x2160p @ 25Hz	`configdisplay monitor1 25hz3840x2160p\x0D`
Config Display 1 3840x2160p @ 30Hz	`configdisplay monitor1 30hz3840x2160p\x0D`
Config Display 1 3840x2160p @ 50Hz	`configdisplay monitor1 50hz3840x2160p\x0D`
Config Display 1 3840x2160p @ 60Hz	`configdisplay monitor1 60hz3840x2160p\x0D`
Config Display 1 Auto	`configdisplay monitor1 auto\x0D`
Config Display 2 1920x1080p @ 50Hz	`configdisplay monitor2 50hz1920x1080p\x0D`
Config Display 2 1920x1080p @ 60Hz	`configdisplay monitor2 60hz1920x1080p\x0D`
Config Display 2 Auto	`configdisplay monitor2 auto\x0D`
Config Display 2 Off	`configdisplay monitor2 off\x0D`
Config Presentation Content Dual	`configpresentation content dual\x0D`
Config Presentation Content Single	`configpresentation content single\x0D`
Config Presentation Self View Corner	`configpresentation self-view corner\x0D`
Config Presentation Self View Full Screen	`configpresentation self-view full-screen\x0D`
Content Auto Off	`contentauto off\x0D`
Content Auto On	`contentauto on\x0D`
Content Result Set Close Content 1	`content close *\x0D`
Content Result Set Hide Content 1	`content hide *\x0D`
Content Result Set Show Content 1	`content show *\x0D`
Preset Far 0 Mode Recall	`preset far go 0\x0D`
Preset Far 0 Mode Save	`preset far set 0\x0D`
Preset Far 15 Mode Recall	`preset far go 15\x0D`
Preset Far 15 Mode Save	`preset far set 15\x0D`
Reboot None	`reboot now\x0D`
Selfview Auto	`systemsetting selfview auto\x0D`
Selfview Off	`systemsetting selfview off\x0D`
Selfview On	`systemsetting selfview on\x0D`
Sleep Mode Sleep	`sleep\x0D`

Sleep Mode Wake	`wake\x0D`
Sleep Time 0	`sleeptime 0\x0D`
Sleep Time 1	`sleeptime 1\x0D`
Sleep Time 120	`sleeptime 120\x0D`
Sleep Time 15	`sleeptime 15\x0D`
Sleep Time 240	`sleeptime 240\x0D`
Sleep Time 3	`sleeptime 3\x0D`
Sleep Time 30	`sleeptime 30\x0D`
Sleep Time 45	`sleeptime 45\x0D`
Sleep Time 480	`sleeptime 480\x0D`
Sleep Time 60	`sleeptime 60\x0D`
Transmit Level 18	`audiotransmitlevel set 18\x0D`
Transmit Level -6	`audiotransmitlevel set -6\x0D`
Transmit Mute Off	`mute near off\x0D`
Transmit Mute On	`mute near on\x0D`
Video Content Source 1	`vcbutton play 1\x0D`
Video Content Source 4	`vcbutton play 4\x0D`
Video Content Source 6	`vcbutton play 6\x0D`
Video Content Source Stop	`vcbutton stop\x0D`
Video Mute Off	`videomute near off\x0D`
Video Mute On	`videomute near on\x0D`
Volume 0	`volume set 0\x0D`
Volume 50	`volume set 50\x0D`

**Global Scripter Module
Communication Sheet**

Appendix B. Update Commands

Auto Answer	autoanswer get\x0D
Calendar Status	calendarstatus get\x0D
Camera Near Tracking	camera near tracking get\x0D
Camera Near Tracking Mode	cameratracking near mode get\x0D
Camera Source Mode Far	camera far source\x0D
Camera Source Mode Near	camera near source\x0D
Config Display 1	configdisplay monitor1 get\x0D
Config Display 2	configdisplay monitor2 get\x0D
Config Presentation Content	configpresentation content get\x0D
Config Presentation Self View	configpresentation self-view get\x0D
Content Auto	contentauto get\x0D
LAN Port	lanport get\x0D
Mute Far Status	mute far get\x0D
Presentation Status	vcbutton register\x0D
Selfview	systemsetting get selfview\x0D
Sleep Time	sleeptime get\x0D
Transmit Level	audiotransmitlevel register\x0D
Transmit Mute	mute register\x0D
Video Content Source	vcbutton source get\x0D
Video Mute	videomute near get\x0D
Volume	volume register\x0D