

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: Streaming Media
Manufacturer: Extron
Firmware Version: 3.00
Model(s): SMD 101, SMD 202

Tested on the Following Software and Firmware Versions

| IP Link Pro Control Processor Firmware | Global Scripter Version |
|--|-------------------------|
| 3.10.0000-b007 | 2.6.0 |

Version History

| Module Version | Date | Notes |
|----------------|------------|---|
| 1_11_4_1 | 9/25/2020 | Fixed issue with empty playlist. |
| 1_11_4_0 | 12/11/2019 | Added: <ul style="list-style-type: none">Note about Channel Preset Recall commandSort command parameter to File and Folder Update commandLoad Source CommandLoad Source String Removed: <ul style="list-style-type: none">Sorting of Favorites Updated: <ul style="list-style-type: none">Ethernet Protocol to SSHFixed serial controlFixed encoding to support additional languages |

Global Scriptor Module Communication Sheet

| | | |
|----------|-----------|--|
| 1_10_1_0 | 3/27/2019 | <ul style="list-style-type: none"> Added ability to sort the folders and files name in alphabetical order. Added ability to view and load additional results for command sets. Fixed Channel Preset Recall status. |
| 1_8_1_0 | 8/1/2018 | Updated Appendix B table. |
| 1_8_0_0 | 7/3/2018 | <ul style="list-style-type: none"> Combined SMD101 and SMD202 modules Added functionality for Channel List, Favorite List, Folder, and History List commands Improved functionality for File commands. See "Renamed Commands and Values" tables below for changes in commands and its values. Added CurrentSourceItem command Added additional file extension support Updated notes on how to use commands |
| 1_2_7_0 | 6/9/2017 | Fixed Load File (Navigation) command. Updated File List to now show when you have reached the end of the list. File List also now only will display the name of the file available rather than the whole path of that file. |
| 1_2_5_0 | 2/23/2017 | Fixing LoopPlay command string. |
| 1_2_4_0 | 1/26/2017 | Updated Playback status to catch unsolicited changes from Webpage. |
| 1_2_2_0 | 6/28/2016 | Added Subtitles and Loop Play commands. Added Next Track and Previous Track to Playback. Fixed File List. |
| 1_2_0_0 | 4/1/2016 | Initial Version |

Module Notes

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'`
- NumberOfChannelListSearch variable must be set accordingly. Default value is '5'. Number of Channel List Search ranges from '1' to '100'.
Example: `InterfaceName.NumberofChannelListSearch = '1'`
- NumberOfFavoritesFolderSearch variable must be set accordingly. Default value is '1'. Number of Favorites Folder Search ranges from '1' to '100'.
Example: `InterfaceName.NumberofFavoritesFolderSearch = '1'`
- NumberOfFavoritesItemSearch variable must be set accordingly. Default value is '1'. Number of Favorites Item Search ranges from '1' to '100'.
Example: `InterfaceName.NumberofFavoritesItemSearch = '1'`
- NumberOfFileSearch variable must be set accordingly. Default value is '1'. Number of File Search ranges from '1' to '100'.
Example: `InterfaceName.NumberOfFileSearch = '1'`
- NumberOfFolderSearch variable must be set accordingly. Default value is '1'. Number of Folder Search ranges from '1' to '100'.
Example: `InterfaceName.NumberofFolderSearch = '1'`
- NumberOfHistoryListSearch variable must be set accordingly. Default value is '1'. Number of History List Search ranges from '1' to '100'.
Example: `InterfaceName.NumberofHistoryListSearch = '1'`

Supported Classes and Examples

SerialClass

```
InterfaceName = ModuleName.SerialClass(ProcessorName, 'COM1', Model='SMD 101')
```

SerialOverEthernetClass

```
InterfaceName = ModuleName.SerialOverEthernetClass('192.168.254.254', 2001, Model='SMD 101')
```

SSHClass

#Password Required

```
InterfaceName = ModuleName.SSHClass('192.168.254.254', 22023, Credentials=('admin', 'extron'),  
Model='SMD 101')
```

#No Password Required

```
InterfaceName = ModuleName.SSHClass('192.168.254.254', 22023, Credentials=('admin', ''),  
Model='SMD 101')
```

Renamed Commands and Values for the SMD 101

The following commands and values have been renamed or changed. Please make appropriate changes in any Set, Update, ReadStatus, or SubscribeStatus method calls that use these commands and values within your GS project.

| Previous Command Name | Previous Value Name | New Command Name | New Value Name |
|-----------------------|---------------------|----------------------------|--------------------------------|
| OutputResolution | '576p' | - | '576p (50Hz)' |
| Pattern | - | TestPatterns | - |
| PlaylistStatus | - | CurrentPlaylistTrack | - |
| PowerSaveMode | 'On' | PowerMode | 'Full Power' |
| PowerSaveMode | 'Off' | PowerMode | 'Low Power – Standby State' |
| ScreenSaver | 'Black' | - | 'Black Screen' |
| ScreenSaver | 'Blue' | - | 'Blue Screen with OSD text' |
| ScreenSaver | 'Custom' | - | 'Custom color set via webpage' |
| TemperatureStatus | - | Temperature | - |
| VideoMute | 'Black' | - | 'Video Mute' |
| VideoMute | 'Sync and Video' | - | 'Sync and Video Mute' |
| VideoMute | 'Off' | - | 'Unmute' |
| FavoritesList | - | FavoritesItemSearchResults | - |
| FileListFavorite | - | FavoritesItemNavigation | - |
| LoadFileFavorite | - | LoadSelectedFavoritesItem | - |
| FileList | - | FileSearchResults | - |
| FileListNavigation | - | FileNavigation | - |
| LoadFileNavigation | - | LoadSelectedItem | - |
| RefreshFileList | - | FileandFolderUpdate | - |
| HistoryList | - | HistoryListSearchResults | - |
| LoadFileHistory | - | LoadSelectedHistoryItem | - |
| PresetList | - | ChannelListSearchResults | - |
| PresetRecall | - | ChannelPresetRecall | - |
| PresetRecallStep | - | ChannelPresetRecallStep | - |

Renamed Commands and Values for the SMD 202

The following commands and values have been renamed or changed. Please make appropriate changes in any Set, Update, ReadStatus, or SubscribeStatus method calls that use these commands and values within your GS project.

| Previous Command Name | Previous Value Name | New Command Name | New Value Name |
|------------------------|----------------------------|-------------------------|--------------------------------|
| OutputResolution | '576p' | - | '576p (50Hz)' |
| PlaylistStatus | - | CurrentPlaylistTrack | - |
| PowerSaveMode | 'On' | PowerMode | 'Full Power' |
| PowerSaveMode | 'Off' | PowerMode | 'Low Power – Standby State' |
| ScreenSaver | 'Custom color set via DWP' | - | 'Custom color set via webpage' |
| VideoMute | 'Black' | - | 'Video Mute' |
| VideoMute | 'Sync and Video' | - | 'Sync and Video Mute' |
| VideoMute | 'Off' | - | 'Unmute' |
| FileListNavigation | - | FileNavigation | - |
| FileList | - | FileSearchResults | - |
| RefreshFileList | 'Current Director' | FileandFolderUpdate | 'Current Directory Only' |
| FilterFilesByExtension | - | FilterItemsByExtension | - |
| Playback | 'Next Track' | - | 'Next' |
| Playback | 'Previous Track' | - | 'Previous' |
| Subtitles | - | ClosedCaption | - |
| PresetRecall | '0' – '99' | ChannelPresetRecall | 1 – 999 |
| PresetRecallStep | - | ChannelPresetRecallStep | - |

Playback Commands

- LoadFileCommand
 - This command will load the media item in the file path specified in the 'String' value directly to the SMD.
 - Example: `InterfaceName.Set('LoadFileCommand', 'Folder1/File1.mp4')`
- LoadPlaylistCommand
 - This command will load a playlist in the playlist path specified in the 'String' value directly to the SMD
 - Example: `InterfaceName.Set('LoadPlaylistCommand', 'Folder1/Playlist1.jspf')`

Manually Changing Directories and Viewing Current Directory

- ChangeDirectory
 - This command is used to manually change directories on the SMD. It requires a 'Directory Path' qualifier value to specify which directory to change to.
 - Directory Path examples:
 - To change to root directory: "*root*" or leave blank
 - To change to directories within the root directory: "*root/Folder1/Folder2*" or "*/Folder1/Folder2*"
 - Folder names are case-sensitive and cannot contain any of the following characters: / ; * ? " < > | (the / character is used for navigating only)
- CurrentDirectory
 - This command displays the current directory that the device is in

Configuring Advanced Applications

This module consists of several different command groups that can provide powerful applications. These applications include viewing, navigating, and loading various items configured on the SMD to allow for a very user-friendly experience. These applications make it much easier to manage and manipulate information on the SMD. To get a general idea of how to create an application using these command groups, please continue reading the sections below.



File and Folder Navigation Commands

These commands provide a way to view, navigate, and load the files configured on the SMD via an Extron user interface (e.g. TLP or Extron Control). These commands offer both a way to view and load files (or other media items), as well as navigating through the folders that files reside in. Because of the additional folder navigating capabilities, the File and Folder command group is separated into two sub-groups. One sub-group handles the viewing and loading of files, and the other sub-group handles the folder navigation. Commands apart of these two sub-groups should remain separate from each other to work properly. Notice that each command has a unique tag included in the name to identify which commands belong together. One of the tags is the word 'File' (or 'Item') and the other tag is the word 'Folder'.

- The File and Folder Navigation group consists of the variables *NumberOfFileSearch* and *NumberOfFolderSearch*, as well as the following commands
 - 1) FileandFolderUpdate
 - 2) FileSearchResults
 - 3) FolderSearchResults
 - 4) FileNavigation
 - 5) FolderNavigation
 - 6) LoadSelectedItem
 - 7) FolderAction
 - 8) FilterItemsByExtension
 - 9) FolderUpOneDirectory

CAUTION: These commands are only intended to be used together, not separate or combined with other commands, as doing so may produce unpredictable or undesired results.

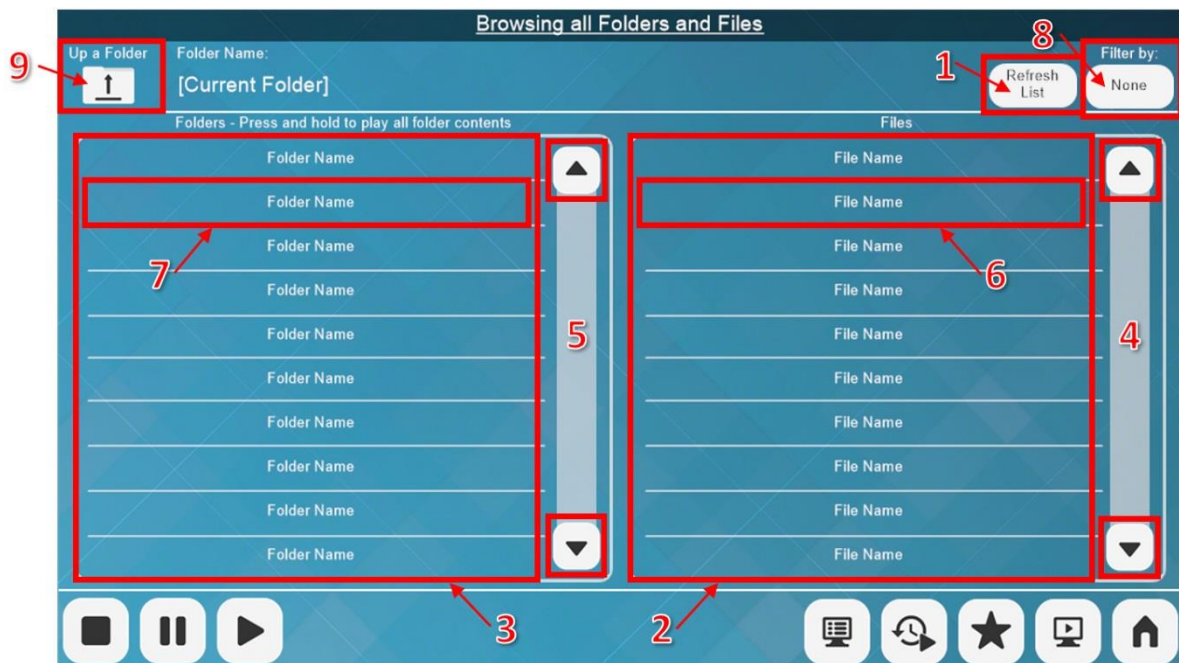


Figure 1:
Example
GUI
template
for
File

and Folder Navigation command group

- NumberOfFileSearch* and *NumberOfFolderSearch*
 - These variables are used to specify how many results to show for *FileSearchResults* and *FolderSearchResults*, respectively. They are set to a default value of '5' and should be updated accordingly if the user wants to see more results.

- **FileandFolderUpdate**
 - This command is used to either request the initial or most recent files and folders on the SMD. The *Directory* qualifier is used to specify what results are desired to be shown, either from the *Current Directory Only* or the *Current Directory and Below*. Sending this command will populate results for both the *FileSearchResults* and the *FolderSearchResults*. **Note:** only folders with playable files in them will be shown
- **FileSearchResults and FolderSearchResults**
 - These commands are used to display the results obtained from the SMD after sending *FileandFolderUpdate*. The *Position* qualifier is used to determine the order that results will be written. The amount of results written is dependent on the value of the *NumberofFileSearch* and *NumberofFolderSearch* variables.
- **FileNavigation and FolderNavigation**
 - These commands are used to navigate through the results that are written for *FileSearchResults* and *FolderSearchResults*. The user has the option to navigate *Up*, *Down*, *Page Up*, or *Page Down* through the results. The *Page Up* and *Page Down* amount is determined by the *NumberofFileSearch* and *NumberofFolderSearch* variables.
- **FolderAction**
 - This command is used to either step into a folder or load a folder itself with all its contents. Sending this command will repopulate new results shown for *FileSearchResults* and *FolderSearchResults*, therefore *FileandFolderUpdate* is not required to use again to view the new results.

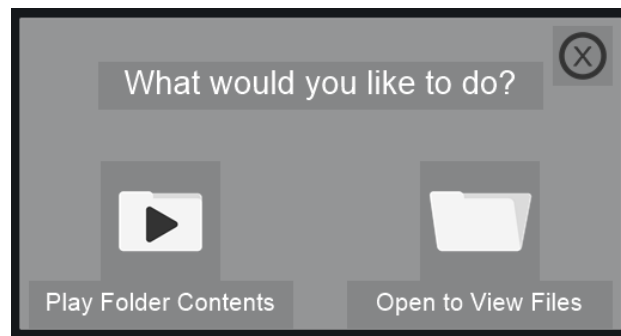


Figure 2: This window pops up upon pressing #7 in Figure 1

- **FolderUpOneDirectory**
 - This command is used to step out of a folder once a folder is stepped into. Sending this command will also repopulate new results shown for *FileSearchResults* and *FolderSearchResults*, therefore *FileandFolderUpdate* is not required to use again to view the new results.
- **FilterItemsByExtension**
 - This command is used to filter the results shown for *FileSearchResults* and *FolderListResults*. The *File Extension* qualifier is used to determine which file extensions the user wants to view at a given time.

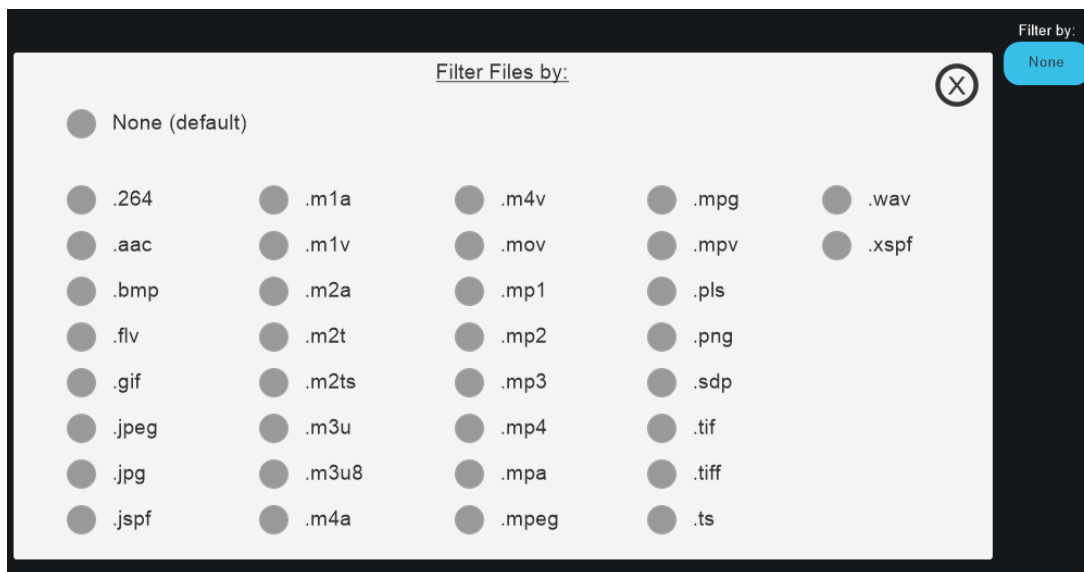


Figure 3: This window pops up upon pressing #8 in Figure 1

- **LoadSelectedItem**
 - This command is used to load an item on the SMD selected for *FileSearchResults*. The state selected for this command corresponds to the value of the *Position* qualifier for *FileSearchResults*.

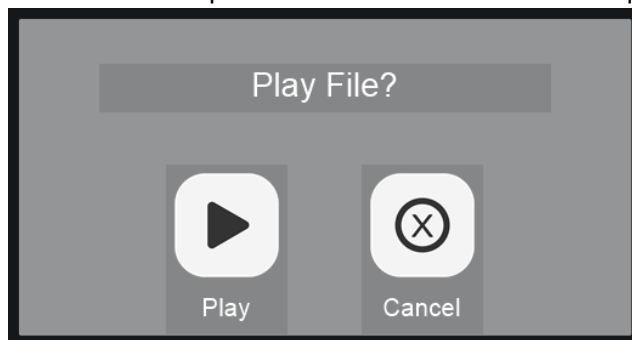


Figure 4: This window pops up upon pressing #6 in Figure 1

Channel List Commands

These commands provide a way to view, navigate, and load the channel presets configured on the SMD via an Extron user interface (e.g. TLP or Extron Control). The results shown can either be the channel number, channel name, or channel URI.

- The Channel List group consists of the following commands/variable:
 - *NumberOfChannelListSearch* (variable)
 - *ChannelListUpdate*
 - *ChannelListSearchResults*
 - *ChannelListNavigation*
 - *FilterChannelListByExtension*
 - *LoadSelectedChannel*

CAUTION: These commands are only intended to be used together, not separate or combined with other commands, as doing so may produce unpredictable or undesired results.

- *NumberOfChannelListSearch*
 - This variable is used to specify how many results to show for *ChannelListSearchResults*. It is set to a default value of '5' and should be updated accordingly if the user wants to see more results.
- *ChannelListUpdate*
 - This command is used to either request the initial or most recent configured channel presets on the SMD. The *Type* qualifier is used to specify what type of results will be shown: channel number, channel name, or channel URI.
- *ChannelListSearchResults*
 - This command is used to display the results obtained from the SMD after sending *ChannelListUpdate*. The *Position* qualifier is used to determine the order that results will be written. The amount of results written is dependent on what is set for the *NumberOfChannelListSearch* variable.
- *ChannelListNavigation*
 - This command is used to navigate through the results that are written for *ChannelListSearchResults*. The user has the option to navigate *Up*, *Down*, *Page Up*, or *Page Down* through the results. The *Page Up* and *Page Down* amount is determined by the *NumberOfChannelListSearch* variable.
- *FilterChannelListByExtension*
 - This command is used to filter the results shown for *ChannelListSearchResults*. The *File Extension* qualifier is used to determine which file extensions the user wants to view at a given time.
- *LoadSelectedChannel*

-
- This command is used to load an item on the SMD selected for *ChannelListSearchResults*. The state selected for this command corresponds to the value of the *Position* qualifier for *ChannelListSearchResults*.

Favorites Item and Folder Navigation Commands

These commands provide a way to view, navigate, and load the favorites configured on the SMD via an Extron user interface (e.g. TLP or Extron Control). These commands offer both a way to view and load favorite items, as well as navigating through the folders that items reside in. Because of the additional folder navigating capabilities, the Favorites command group is separated into two sub-groups. One sub-group handles the viewing and loading of favorite items, and the other sub-group handles the favorite folders navigation. Commands apart of these two sub-groups should remain separate from each other to work properly. Note that each command has a unique tag included in the name to identify which commands belong with one another. One of the tags is the word '**Item**' and the other is the word '**Folder**'.

- The Favorites Item and Folder Navigation group consists of the following commands/variables:
 - *NumberOfFavoritesItemSearch* (variable)
 - *NumberOfFavoritesFolderSearch* (variable)
 - *FavoritesItemandFolderUpdate*
 - *FavoritesItemSearchResults*
 - *FavoritesFolderSearchResults*
 - *FavoritesItemNavigation*
 - *FavoritesFolderNavigation*
 - *FavoritesFolderUpOneDirectory*
 - *FilterFavoritesItemsByExtension*
 - *LoadSelectedFavoritesItem*
 - *StepIntoFavoritesFolder*

CAUTION: These commands are only intended to be used together, not separate or combined with other commands, as doing so may produce unpredictable or undesired results.

- *NumberOfFavoritesItemSearch* and *NumberOfFavoritesFolderSearch*
 - These variables are used to specify how many results to show for *FavoritesItemSearchResults* and *FavoritesFolderSearchResults*, respectively. They are set to a default value of 5 and should be updated accordingly if the user wants to see more results.
- *FavoritesItemandFolderUpdate*
 - This command is used to either request the initial or most recent favorite items and folders on the SMD. Sending this command will populate results for both the *FavoritesItemSearchResults* and the *FavoritesFolderSearchResults*.
- *FavoritesItemSearchResults* and the *FavoritesFolderSearchResults*
 - These commands are used to display the results obtained from the SMD after sending *FavoritesItemandFolderUpdate*. The *Position* qualifier is used to determine the order that results will be written. The amount of results written is dependent on what is set for the *NumberOfFavoritesItemSearch* and *NumberOfFavoritesFolderSearch* variables.
- *FavoritesItemNavigation* and *FavoritesFolderNavigation*
 - These commands are used to navigate through the results that are written for *FavoritesItemSearchResults* and *FavoritesFolderSearchResults*. The user has the option to navigate

Up, Down, Page Up, or Page Down through the results. The *Page Up* and *Page Down* amount is determined by the *NumberOfFavoritesItemSearch* and *NumberOfFavoritesFolderSearch* variables.

- *StepIntoFavoritesFolder*
 - This command is used to step into a favorites folder. Sending this command will repopulate new results shown for *FavoritesItemSearchResults* and *FavoritesFolderSearchResults*, therefore *FavoritesItemandFolderUpdate* is not required to use again to view the new results.
- *Favorites Folder Up One Directory*
 - This command is used to step out of a favorites folder once a folder is stepped into. Sending this command will also repopulate new results shown for *FavoritesItemSearchResults* and *FavoritesFolderSearchResults*, therefore *FavoritesItemandFolderUpdate* is not required to use again to view the new results.
- *FilterFavoritesItemsByExtension*
 - This command is used to filter the results shown for *FavoritesItemSearchResults* and *FavoritesFolderSearchResults*. The *File Extension* qualifier is used to determine which file extensions the user wants to view at a given time.
- *LoadSelectedFavoritesItem*
 - This command is used to load a favorites item on the SMD selected for *FavoritesItemSearchResults*. The state selected for this command corresponds to the value of the *Position* qualifier for *FavoritesItemSearchResults*.

History List Commands

These commands provide a way to view, navigate, and load the previously played items on the SMD via an Extron user interface (e.g. TLP or Extron Control).

- The History List group consists of the following commands/variable:
 - *NumberofHistoryListSearch* (variable)
 - *HistoryListUpdate*
 - *HistoryListSearchResults*
 - *HistoryListNavigation*
 - *FilterHistoryListByExtension*
 - *LoadSelectedHistoryItem*

CAUTION: These commands are only intended to be used together, not separate or combined with other commands, as doing so may produce unpredictable or undesired results.

- *NumberofHistoryListSearch*
 - This variable is used to specify how many results to show for *HistoryListSearchResults*. It is set to a default value of '5' and should be updated accordingly if the user wants to see more results.
- *HistoryListUpdate*
 - This command is used to either request the initial or most recent history items from the SMD.
- *HistoryListSearchResults*
 - This command is used to display the results obtained from the SMD after sending *HistoryListUpdate*. The *Position* qualifier is used to determine the order that results will be written. The amount of results written is dependent on what is set for the *NumberofHistoryListSearch* variable.
- *HistoryListNavigation*
 - This command is used to navigate through the results that are written for *HistoryListSearchResults*. The user has the option to navigate *Up*, *Down*, *Page Up*, or *Page Down* through the results. The *Page Up* and *Page Down* amount is determined by the *NumberofHistoryListSearch* variable.
- *FilterHistoryListByExtension*
 - This command is used to filter the results shown for *HistoryListSearchResults*. The *File Extension* qualifier is used to determine which file extensions the user wants to view at a given time.
- *LoadSelectedHistoryItem*
 - This command is used to load a history item on the SMD selected for *HistoryListSearchResults*. The state selected for this command corresponds to the value of the *Position* qualifier for *HistoryListSearchResults*.

Control Commands

Format with Qualifier:

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

Format with Qualifier:

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

| | | | |
|---|-----------------|-----------------|-----------------|
| Command | Value | Value | Value |
| AspectRatio | 'Zoom' | 'Fill' | 'Follow' |
| # AspectRatio example InterfaceName.Set('AspectRatio', 'Zoom') | | | |
| Command | Value | Value | |
| AudioMute | 'On' | 'Off' | |
| # AudioMute example InterfaceName.Set('AudioMute', 'On') | | | |
| Command | Value | | |
| ChangeDirectory | None | | |
| Qualifier Key | Qualifier Value | | |
| 'Directory Path' | 'String' | | |
| # ChangeDirectory example InterfaceName.Set('ChangeDirectory', None, {'Directory Path': 'String'}) | | | |
| Command | Value | Value | Value |
| ChannelListNavigation | 'Up' | 'Down' | 'Page Up' |
| | 'Page Down' | | |
| # ChannelListNavigation example InterfaceName.Set('ChannelListNavigation', 'Up') | | | |
| Command | Value | | |
| ChannelListUpdate | None | | |
| Qualifier Key | Qualifier Value | Qualifier Value | Qualifier Value |
| 'Type' | 'Channel' | 'Name' | 'URI' |
| # ChannelListUpdate example InterfaceName.Set('ChannelListUpdate', None, {'Type': 'Channel'}) | | | |
| Command | Value | | |
| ChannelPresetRecall | 1 – 999 | | |
| # ChannelPresetRecall example InterfaceName.Set('ChannelPresetRecall', 999) | | | |
| Command | Value | Value | |
| ChannelPresetRecallStep | 'Next' | 'Previous' | |
| # ChannelPresetRecallStep example InterfaceName.Set('ChannelPresetRecallStep', 'Next') | | | |
| Command | Value | Value | |
| ClosedCaption¹ | 'On' | 'Off' | |
| # ClosedCaption example InterfaceName.Set('ClosedCaption', 'On') | | | |
| Command | Value | Value | Value |
| FavoritesFolderNavigation | 'Up' | 'Down' | 'Page Up' |
| | 'Page Down' | | |
| # FavoritesFolderNavigation example InterfaceName.Set('FavoritesFolderNavigation', 'Up') | | | |
| Command | Value | | |
| FavoritesFolderUpOneDirectory | None | | |
| # FavoritesFolderUpOneDirectory example InterfaceName.Set('FavoritesFolderUpOneDirectory', None) | | | |
| Command | Value | | |

| | | | |
|--|---|--|--------------------|
| FavoritesItemandFolderUpdate | None | | |
| # FavoritesItemandFolderUpdate example InterfaceName.Set('FavoritesItemandFolderUpdate', None) | | | |
| Command FavoritesItemNavigation | Value 'Up' 'Page Down' | Value 'Down' | Value 'Page Up' |
| # FavoritesItemNavigation example InterfaceName.Set('FavoritesItemNavigation', 'Up') | | | |
| Command FileandFolderUpdate | Value None | | |
| Qualifier Key 'Sort' | Qualifier Value 'Alphanumeric' | Qualifier Value 'Date Modified' | |
| Qualifier Key 'Directory' | Qualifier Value 'Current Directory Only' | Qualifier Value 'Current Directory and Below' | |
| # FileandFolderUpdate example InterfaceName.Set('FileandFolderUpdate', None, {'Sort': 'Alphanumeric', 'Directory': 'Current Directory Only'}) | | | |
| Command FileNavigation | Value 'Up' 'Page Down' | Value 'Down' | Value 'Page Up' |
| # FileNavigation example InterfaceName.Set('FileNavigation', 'Up') | | | |
| Command FilterChannelListByExtension | Value None | | |
| Qualifier Key 'File Extension' | | | |
| # FilterChannelListByExtension example InterfaceName.Set('FilterChannelListByExtension', None) | | | |
| Command FilterFavoritesItemsByExtension | Value None | | |
| Qualifier Key 'File Extension' | | | |
| # FilterFavoritesItemsByExtension example InterfaceName.Set('FilterFavoritesItemsByExtension', None) | | | |
| Command FilterHistoryListByExtension | Value None | | |
| Qualifier Key 'File Extension' | | | |
| # FilterHistoryListByExtension example InterfaceName.Set('FilterHistoryListByExtension', None) | | | |
| Command FilterItemsByExtension | Value None | | |
| Qualifier Key 'File Extension' | | | |
| # FilterItemsByExtension example InterfaceName.Set('FilterItemsByExtension', None) | | | |
| Command FolderAction | Value '1' – '100' | | |
| Qualifier Key 'Action' | Qualifier Value 'Step into Folder' | Qualifier Value 'Load Folder' | |
| # FolderAction example InterfaceName.Set('FolderAction', '1', {'Action': 'Step into Folder'}) | | | |
| Command | Value | Value | Value |

| | | | |
|--|----------------------|-----------------|--------------------|
| FolderNavigation | 'Up' | 'Down' | 'Page Up' |
| | 'Page Down' | | |
| # FolderNavigation example InterfaceName.Set('FolderNavigation', 'Up') | | | |
| Command FolderUpOneDirectory | Value None | | |
| # FolderUpOneDirectory example InterfaceName.Set('FolderUpOneDirectory', None) | | | |
| Command HistoryListNavigation | Value 'Up' | Value 'Down' | Value 'Page Up' |
| | 'Page Down' | | |
| # HistoryListNavigation example InterfaceName.Set('HistoryListNavigation', 'Up') | | | |
| Command HistoryListUpdate | Value None | | |
| # HistoryListUpdate example InterfaceName.Set('HistoryListUpdate', None) | | | |
| Command Input | Value 'Decoder' | Value 'HDMI' | |
| # Input example InterfaceName.Set('Input', 'Decoder') | | | |
| Command LoadFileCommand | Value 'String' | | |
| # LoadFileCommand example InterfaceName.Set('LoadFileCommand', 'FileName') | | | |
| Command LoadPlaylistCommand | Value 'String' | | |
| # LoadPlaylistCommand example InterfaceName.Set('LoadPlaylistCommand', 'PlaylistName') | | | |
| Command LoadSelectedChannel | Value '1' – '100' | | |
| # LoadSelectedChannel example InterfaceName.Set('LoadSelectedChannel', '1') | | | |
| Command LoadSelectedFavoritesItem | Value '1' – '100' | | |
| # LoadSelectedFavoritesItem example InterfaceName.Set('LoadSelectedFavoritesItem', '1') | | | |
| Command LoadSelectedHistoryItem | Value '1' – '100' | | |
| # LoadSelectedHistoryItem example InterfaceName.Set('LoadSelectedHistoryItem', '1') | | | |
| Command LoadSelectedItem | Value '1' – '100' | | |
| # LoadSelectedItem example InterfaceName.Set('LoadSelectedItem', '1') | | | |
| Command LoadSourceCommand | Value 'String' | | |
| # LoadSourceCommand example InterfaceName.Set('LoadSourceCommand', 'String') | | | |
| Command LoopPlay | Value 'On' | Value 'Off' | |
| # LoopPlay example InterfaceName.Set('LoopPlay', 'On') | | | |
| Command | Value | Value | Value |

| | | | |
|---|---|---|---|
| OutputResolution | '576p (50Hz)' | '640x480 (50Hz)' | '640x480 (60Hz)' |
| | '800x600 (50Hz)' | '800x600 (60Hz)' | '1024x768 (50Hz)' |
| | '1024x768 (60Hz)' | '1280x1024 (50Hz)' | '1280x1024 (60Hz)' |
| | '1366x768 (50Hz)' | '1366x768 (60Hz)' | '1600x1200 (50Hz)' |
| | '1600x1200 (60Hz)' | '1920x1200 (50Hz)' | '1920x1200 (60Hz)' |
| | '480p (59.94Hz)' | '480p (60Hz)' | '720p (50Hz)' |
| | '720p (60Hz)' | '1080i (50Hz)' | '1080i (59.94Hz)' |
| | '1080i (60Hz)' | '1080p (23.98Hz)' | '1080p (24Hz)' |
| | '1080p (25Hz)' | '1080p (29.97Hz)' | '1080p (30Hz)' |
| | '1080p (50Hz)' | '1080p (59.94Hz)' | '1080p (60Hz)' |
| | '720p (59.94Hz)' | 'Auto' | '1280x800 (50Hz)' |
| | '1280x800 (60Hz)' | | |
| # OutputResolution example InterfaceName.Set('OutputResolution', '576p (50Hz)') | | | |
| Command Playback | Value 'Stop' 'Next' | Value 'Play' 'Previous' | Value 'Pause' |
| # Playback example InterfaceName.Set('Playback', 'Stop') | | | |
| Command PowerMode | Value 'Full Power' | Value 'Low Power - Standby State' | |
| # PowerMode example InterfaceName.Set('PowerMode', 'Full Power') | | | |
| Command ScreenSaver | Value 'Custom color set via webpage' | Value 'Black Screen' | Value 'Blue Screen with OSD Text' |
| # ScreenSaver example InterfaceName.Set('ScreenSaver', 'Custom color set via webpage') | | | |
| Command Seek ² | Value 'Forward' | Value 'Backward' | |
| Qualifier Key 'Step' | Qualifier Value 1 to 65535 in steps of 1 | | |
| # Seek example InterfaceName.Set('Seek', 'Forward', {'Step': 65535}) | | | |
| Command StandbyTimer | Value 0 – 500 | | |
| # StandbyTimer example InterfaceName.Set('StandbyTimer', 500) | | | |
| Command StepIntoFavoritesFolder | Value '1' – '100' | | |
| # StepIntoFavoritesFolder example InterfaceName.Set('StepIntoFavoritesFolder', '1') | | | |
| Command TestPatterns | Value 'Off' 'Crosshatch' 'Grayscale' | Value 'Alternating Pixels' 'Color Bars' 'Ramp' | Value 'Alternating Lines' '4x4 Crosshatch' 'White Field' |
| # TestPatterns example InterfaceName.Set('TestPatterns', 'Off') | | | |
| Command | Value | Value | Value |

Global Scripter Module Communication Sheet

| | | | |
|---|-------------------------|-----------------------|----------|
| VideoMute | 'Video Mute' | 'Sync and Video Mute' | 'Unmute' |
| # VideoMute example InterfaceName.Set('VideoMute', 'Video Mute') | | | |
| Command | Value | | |
| Volume | -100 to 0 in steps of 1 | | |
| # Volume example InterfaceName.Set('Volume', 0) | | | |

¹ Not supported for SMD 101

² Specify how many seconds to seek forward/backward. Requires *CurrentClipLength* and *CurrentTimecode* status for this command to work. Setting a repeatTime for the button that calls this command is not recommended, but if necessary, a longer repeatTime is recommended.

Status Available

For all commands except for AspectRatio, ChannelPresetRecall, ClosedCaption, CurrentClipLength, CurrentDirectory, CurrentSourceItem, CurrentTimecode, LoopPlay, ScreenSaver, Temperature, and TestPatterns, Update should be called only once since the command's status will be updated automatically as the device's status changes. ConnectionStatus, ChannelListSearchResults, FavoritesFolderSearchResults, FavoritesItemSearchResults, FileSearchResults, and HistoryListSearchResults 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 |
|--|-----------------|----------------|----------|
| AspectRatio | 'Zoom' | 'Fill' | 'Follow' |
| # AspectRatio example InterfaceName.Update('AspectRatio') Value = InterfaceName.ReadStatus('AspectRatio') InterfaceName.SubscribeStatus('AspectRatio', None, FeedbackHandler) | | | |
| Command | Value | Value | |
| AudioMute | 'On' | 'Off' | |
| # AudioMute example InterfaceName.Update('AudioMute') Value = InterfaceName.ReadStatus('AudioMute') InterfaceName.SubscribeStatus('AudioMute', None, FeedbackHandler) | | | |
| Command | Value | | |
| ChannelListSearchResults | 'String' | | |
| Qualifier Key | Qualifier Value | | |
| 'Position' | '1' – '100' | | |
| # ChannelListSearchResults example Value = InterfaceName.ReadStatus('ChannelListSearchResults', {'Position': '1'}) InterfaceName.SubscribeStatus('ChannelListSearchResults', None, FeedbackHandler) | | | |
| Command | Value | | |
| ChannelPresetRecall | 1 – 999 | | |
| # ChannelPresetRecall example InterfaceName.Update('ChannelPresetRecall') Value = InterfaceName.ReadStatus('ChannelPresetRecall') InterfaceName.SubscribeStatus('ChannelPresetRecall', None, FeedbackHandler) | | | |
| Command | Value | Value | |
| ClosedCaption ¹ | 'On' | 'Off' | |
| # ClosedCaption example InterfaceName.Update('ClosedCaption') Value = InterfaceName.ReadStatus('ClosedCaption') InterfaceName.SubscribeStatus('ClosedCaption', None, FeedbackHandler) | | | |
| Command | Value | Value | |
| ConnectionStatus | 'Connected' | 'Disconnected' | |

| | |
|--|--------------------------------|
| # ConnectionStatus example Value = InterfaceName.ReadStatus('ConnectionStatus') InterfaceName.SubscribeStatus('ConnectionStatus', None, FeedbackHandler) | |
| Command CurrentClipLength ² | Value 'String' |
| # CurrentClipLength example InterfaceName.Update('CurrentClipLength') Value = InterfaceName.ReadStatus('CurrentClipLength') InterfaceName.SubscribeStatus('CurrentClipLength', None, FeedbackHandler) | |
| Command CurrentDirectory | Value 'String' |
| # CurrentDirectory example InterfaceName.Update('CurrentDirectory') Value = InterfaceName.ReadStatus('CurrentDirectory') InterfaceName.SubscribeStatus('CurrentDirectory', None, FeedbackHandler) | |
| Command CurrentPlaylistTrack | Value 'String' |
| # CurrentPlaylistTrack example InterfaceName.Update('CurrentPlaylistTrack') Value = InterfaceName.ReadStatus('CurrentPlaylistTrack') InterfaceName.SubscribeStatus('CurrentPlaylistTrack', None, FeedbackHandler) | |
| Command CurrentSourceItem | Value 'String' |
| # CurrentSourceItem example InterfaceName.Update('CurrentSourceItem') Value = InterfaceName.ReadStatus('CurrentSourceItem') InterfaceName.SubscribeStatus('CurrentSourceItem', None, FeedbackHandler) | |
| Command CurrentTimecode | Value 'String' |
| # CurrentTimecode example InterfaceName.Update('CurrentTimecode') Value = InterfaceName.ReadStatus('CurrentTimecode') InterfaceName.SubscribeStatus('CurrentTimecode', None, FeedbackHandler) | |
| Command FavoritesFolderSearchResults | Value 'String' |
| Qualifier Key 'Position' | Qualifier Value '1' – '100' |
| # FavoritesFolderSearchResults example Value = InterfaceName.ReadStatus('FavoritesFolderSearchResults', {'Position': '1'}) InterfaceName.SubscribeStatus('FavoritesFolderSearchResults', None, FeedbackHandler) | |
| Command FavoritesItemSearchResults | Value 'String' |
| Qualifier Key 'Position' | Qualifier Value '1' – '100' |
| # FavoritesItemSearchResults example Value = InterfaceName.ReadStatus('FavoritesItemSearchResults', {'Position': '1'}) InterfaceName.SubscribeStatus('FavoritesItemSearchResults', None, FeedbackHandler) | |
| Command FileSearchResults | Value 'String' |
| Qualifier Key 'Position' | Qualifier Value '1' – '100' |
| # FileSearchResults example Value = InterfaceName.ReadStatus('FileSearchResults', {'Position': '1'}) InterfaceName.SubscribeStatus('FileSearchResults', None, FeedbackHandler) | |

| | | | |
|--|--------------------|-----------------------------|--------------------|
| Command | Value | | |
| FolderSearchResults | 'String' | | |
| Qualifier Key | Qualifier Value | | |
| 'Position' | '1' – '100' | | |
| # FolderSearchResults example Value = InterfaceName.ReadStatus('FolderSearchResults', {'Position': '1'}) InterfaceName.SubscribeStatus('FolderSearchResults', None, FeedbackHandler) | | | |
| Command | Value | | |
| HistoryListSearchResults | 'String' | | |
| Qualifier Key | Qualifier Value | | |
| 'Position' | '1' – '100' | | |
| # HistoryListSearchResults example Value = InterfaceName.ReadStatus('HistoryListSearchResults', {'Position': '1'}) InterfaceName.SubscribeStatus('HistoryListSearchResults', None, FeedbackHandler) | | | |
| Command | Value | Value | |
| Input | 'Decoder' | 'HDMI' | |
| # Input example InterfaceName.Update('Input') Value = InterfaceName.ReadStatus('Input') InterfaceName.SubscribeStatus('Input', None, FeedbackHandler) | | | |
| Command | Value | Value | |
| LoopPlay | 'On' | 'Off' | |
| # LoopPlay example InterfaceName.Update('LoopPlay') Value = InterfaceName.ReadStatus('LoopPlay') InterfaceName.SubscribeStatus('LoopPlay', None, FeedbackHandler) | | | |
| Command | Value | Value | Value |
| OutputResolution | '576p (50Hz)' | '640x480 (50Hz)' | '640x480 (60Hz)' |
| | '800x600 (50Hz)' | '800x600 (60Hz)' | '1024x768 (50Hz)' |
| | '1024x768 (60Hz)' | '1280x1024 (50Hz)' | '1280x1024 (60Hz)' |
| | '1366x768 (50Hz)' | '1366x768 (60Hz)' | '1600x1200 (50Hz)' |
| | '1600x1200 (60Hz)' | '1920x1200 (50Hz)' | '1920x1200 (60Hz)' |
| | '480p (59.94Hz)' | '480p (60Hz)' | '720p (50Hz)' |
| | '720p (60Hz)' | '1080i (50Hz)' | '1080i (59.94Hz)' |
| | '1080i (60Hz)' | '1080p (23.98Hz)' | '1080p (24Hz)' |
| | '1080p (25Hz)' | '1080p (29.97Hz)' | '1080p (30Hz)' |
| | '1080p (50Hz)' | '1080p (59.94Hz)' | '1080p (60Hz)' |
| '720p (59.94Hz)' | 'Auto' | '1280x800 (50Hz)' | |
| '1280x800 (60Hz)' | | | |
| # OutputResolution example InterfaceName.Update('OutputResolution') Value = InterfaceName.ReadStatus('OutputResolution') InterfaceName.SubscribeStatus('OutputResolution', None, FeedbackHandler) | | | |
| Command | Value | Value | Value |
| Playback | 'Stop' | 'Play' | 'Pause' |
| | 'Next' | 'Previous' | |
| # Playback example InterfaceName.Update('Playback') Value = InterfaceName.ReadStatus('Playback') InterfaceName.SubscribeStatus('Playback', None, FeedbackHandler) | | | |
| Command | Value | Value | |
| PowerMode | 'Full Power' | 'Low Power - Standby State' | |
| # PowerMode example InterfaceName.Update('PowerMode') | | | |

| | | | |
|--|---|---|---|
| Value = InterfaceName.ReadStatus('PowerMode') InterfaceName.SubscribeStatus('PowerMode', None, FeedbackHandler) | | | |
| Command ScreenSaver | Value 'Custom color set via webpage' | Value 'Black Screen' | Value 'Blue Screen with OSD Text' |
| # ScreenSaver example InterfaceName.Update('ScreenSaver') Value = InterfaceName.ReadStatus('ScreenSaver') InterfaceName.SubscribeStatus('ScreenSaver', None, FeedbackHandler) | | | |
| Command Temperature | Value 0 – 100 | | |
| # Temperature example InterfaceName.Update('Temperature') Value = InterfaceName.ReadStatus('Temperature') InterfaceName.SubscribeStatus('Temperature', None, FeedbackHandler) | | | |
| Command TestPatterns | Value 'Off' 'Crosshatch' 'Grayscale' | Value 'Alternating Pixels' 'Color Bars' 'Ramp' | Value 'Alternating Lines' '4x4 Crosshatch' 'White Field' |
| # TestPatterns example InterfaceName.Update('TestPatterns') Value = InterfaceName.ReadStatus('TestPatterns') InterfaceName.SubscribeStatus('TestPatterns', None, FeedbackHandler) | | | |
| Command VideoMute | Value 'Video Mute' | Value 'Sync and Video Mute' | Value 'Unmute' |
| # VideoMute example InterfaceName.Update('VideoMute') Value = InterfaceName.ReadStatus('VideoMute') InterfaceName.SubscribeStatus('VideoMute', None, FeedbackHandler) | | | |
| Command Volume | Value -100 to 0 in steps of 1 | | |
| # Volume example InterfaceName.Update('Volume') Value = InterfaceName.ReadStatus('Volume') InterfaceName.SubscribeStatus('Volume', None, FeedbackHandler) | | | |

¹ Not supported for SMD 101² Display format is the following: HH:MM:SS (HH = Hours, MM = Minutes, SS = Seconds)

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

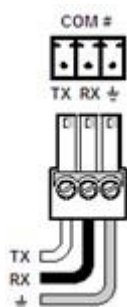
Data Bits: 8

Parity: None

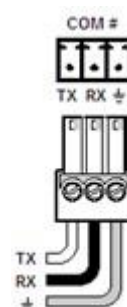
Stop Bits: One

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 Scriptor ethernet interface.

Port Type: Ethernet

Default Port: 22023

Logon Credentials Supported: Yes

Default Username: admin

Default Password:

Multi-Connection Undetermined

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 | w1*1ASPR\x0D |
| Aspect Ratio Follow | w1*2ASPR\x0D |
| Aspect Ratio Zoom | w1*0ASPR\x0D |
| Audio Mute Off | 0Z |
| Audio Mute On | 1Z |
| Change Directory None Directory Path testString | wtestString/CJ\x0D |
| Channel List Update None Type Channel | wGTVPR\x0D |
| Channel List Update None Type Name | wGTVPR\x0D |
| Channel List Update None Type URI | wGTVPR\x0D |
| Channel Preset Recall 1 | 1T |
| Channel Preset Recall 999 | 999T |
| Channel Preset Recall Step Next | +T |
| Channel Preset Recall Step Previous | -T |
| Closed Caption Off | wE1*0SUBT\x0D |
| Closed Caption On | wE1*1SUBT\x0D |
| Favorites Item and Folder Update None | wGFAVS\x0D |
| File and Folder Update None Sort Alphanumeric Directory Current Directory and Below | wdf\x0D |
| File and Folder Update None Sort Alphanumeric Directory Current Directory Only | wdf\x0D |
| File and Folder Update None Sort Date Modified Directory Current Directory and Below | wdf\x0D |
| File and Folder Update None Sort Date Modified Directory Current Directory Only | wdf\x0D |
| Folder Up One Directory None | w..CJ\x0D |
| History List Update None | wGHIST\x0D |
| Input Decoder | 1! |
| Input HDMI | 2! |
| Load File Command None | wU1*file:///FileNamePLYR\x0D |
| Load Playlist Command None | wL1*file:///PlayListPLYR\x0D |
| Load Source Command None | wU1*SourceNamePLYR\x0D |
| Loop Play Off | wR1*0PLYR\x0D |
| Loop Play On | wR1*1PLYR\x0D |
| Output Resolution 1024x768 (50Hz) | w14RATE\x0D |
| Output Resolution 1024x768 (60Hz) | w15RATE\x0D |
| Output Resolution 1080i (50Hz) | w35RATE\x0D |
| Output Resolution 1080i (59.94Hz) | w36RATE\x0D |
| Output Resolution 1080i (60Hz) | w37RATE\x0D |
| Output Resolution 1080p (23.98Hz) | w38RATE\x0D |
| Output Resolution 1080p (24Hz) | w39RATE\x0D |
| Output Resolution 1080p (25Hz) | w40RATE\x0D |
| Output Resolution 1080p (29.97Hz) | w41RATE\x0D |
| Output Resolution 1080p (30Hz) | w42RATE\x0D |

Global Scriptor Module Communication Sheet

| | |
|--|---------------|
| Output Resolution 1080p (50Hz) | w43RATE\x0D |
| Output Resolution 1080p (59.94Hz) | w44RATE\x0D |
| Output Resolution 1080p (60Hz) | w45RATE\x0D |
| Output Resolution 1280x1024 (50Hz) | w16RATE\x0D |
| Output Resolution 1280x1024 (60Hz) | w17RATE\x0D |
| Output Resolution 1280x800 (50Hz) | w27RATE\x0D |
| Output Resolution 1280x800 (60Hz) | w28RATE\x0D |
| Output Resolution 1366x768 (50Hz) | w18RATE\x0D |
| Output Resolution 1366x768 (60Hz) | w19RATE\x0D |
| Output Resolution 1600x1200 (50Hz) | w20RATE\x0D |
| Output Resolution 1600x1200 (60Hz) | w21RATE\x0D |
| Output Resolution 1920x1200 (50Hz) | w22RATE\x0D |
| Output Resolution 1920x1200 (60Hz) | w23RATE\x0D |
| Output Resolution 480p (59.94Hz) | w24RATE\x0D |
| Output Resolution 480p (60Hz) | w25RATE\x0D |
| Output Resolution 576p (50Hz) | w26RATE\x0D |
| Output Resolution 640x480 (50Hz) | w10RATE\x0D |
| Output Resolution 640x480 (60Hz) | w11RATE\x0D |
| Output Resolution 720p (50Hz) | w32RATE\x0D |
| Output Resolution 720p (59.94Hz) | w33RATE\x0D |
| Output Resolution 720p (60Hz) | w34RATE\x0D |
| Output Resolution 800x600 (50Hz) | w12RATE\x0D |
| Output Resolution 800x600 (60Hz) | w13RATE\x0D |
| Output Resolution Auto | w00RATE\x0D |
| Playback Next | wN1PLYR\x0D |
| Playback Pause | wE1PLYR\x0D |
| Playback Play | wS1*1PLYR\x0D |
| Playback Previous | wP1PLYR\x0D |
| Playback Stop | wO1PLYR\x0D |
| Power Mode Full Power | w0PSAV\x0D |
| Power Mode Low Power - Standby State | w1PSAV\x0D |
| Screen Saver Black Screen | wM1SSAV\x0D |
| Screen Saver Blue Screen with OSD Text | wM2SSAV\x0D |
| Screen Saver Custom color set via webpage | wM0SSAV\x0D |
| Standby Timer 0 | wT0SSAV\x0D |
| Standby Timer 500 | wT500SSAV\x0D |
| Test Patterns 4x4 Crosshatch | w5TEST\x0D |
| Test Patterns Alternating Lines | w3TEST\x0D |
| Test Patterns Alternating Pixels | w2TEST\x0D |
| Test Patterns Color Bars | w6TEST\x0D |
| Test Patterns Crosshatch | w4TEST\x0D |
| Test Patterns Grayscale | w7TEST\x0D |
| Test Patterns Off | w0TEST\x0D |
| Test Patterns Ramp | w8TEST\x0D |

Global Scripter Module Communication Sheet

| | |
|---------------------------------------|------------|
| Test Patterns White Field | w9TEST\x0D |
| Video Mute Sync and Video Mute | 2B |
| Video Mute Unmute | 0B |
| Video Mute Video Mute | 1B |
| Volume 0 | 0V |
| Volume -100 | -100V |

Appendix B. Update Commands

| | |
|-------------------------------|-------------|
| Aspect Ratio | w1ASPR\x0D |
| Audio Mute | Z |
| Channel Preset Recall | T |
| Closed Caption | wE1SUBT\x0D |
| Current Clip Length | wZ1PLYR\x0D |
| Current Directory | wCJ\x0D |
| Current Playlist Track | wL1PLYR\x0D |
| Current Source Item | wU1PLYR\x0D |
| Current Timecode | wK1PLYR\x0D |
| Input | ! |
| Loop Play | wR1PLYR\x0D |
| Output Resolution | wRATE\x0D |
| Playback | wY1PLYR\x0D |
| Power Mode | wPSAV\x0D |
| Screen Saver | wMSSAV\x0D |
| Temperature | w20STAT\x0D |
| Test Patterns | wTEST\x0D |
| Video Mute | B |
| Volume | V |