4K HDR HDMI Matrix Switcher

with AV Extension Inputs

JSON-RPC over WebSocket
1.0

AT-PRO5-MX810

Atlona Manuals
Switchers

Version Information

Version	Release Date	Notes
1	Jan 2025	Initial release

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Information

Notes on the use of ports and protocols:

Telnet port: 23
SSH port: 22
WS: 80
WSS: 443

Websocket address = `ws://<IP>/ws`
Secure Websocket address = `wss://<IP>/ws`

RS-232 settings: 115200, N, 8, 1 (Default)

These products also support TCP Proxy to the local RS-232 ports with the following port assignments:

TCP Port	Port Description
9001	EXT 1
9002	EXT 2
9003	EXT 3
9004	EXT 4
9005	EXT 5
9006	EXT 6
9007	EXT 7
9008	EXT 8

Notes on the use of the ID request identifier in JSON request objects:

Proper use of the ID request identifier in each JSON request object is essential for updating the web client interface in real-time.

The `id` request identifier value must be in the following format: `[NAMESPACE]+[METHOD]+"Results"`.

Example:

For the `AudioSwitch.Get` request object, the ID request identifier must be set to `"AudioSwitchGetResults"`, as shown in the example below.

```
{
    "jsonrpc": "2.0",
    "id": "AudioSwitchGetResults",
    "method": "AudioSwitch.Get"
}
```

Including this value for the id request identifier ensures the web client interface updates automatically.

Using any other string will still process the command successfully. However, manually refreshing the web client interface will be required to view the changes.

Request Objects

Audio

Request Object	Description
Audio.Get	Returns the audio status for each output.
AudioInputFormat.Get	Returns details about the source audio format for the specified input.
AudioOutFormat.Get	Returns details about the audio format for the specified output.
AudioOutputMute.Set	Enables or disables audio muting for the specified analog audio output.
AudioOutputVol.Set	Adjusts the output volume for the specified analog audio output.
AudioSwitch.Get	Returns the audio routing for each output.
AudioSwitch.Set	Sets the source of the analog audio output.
AudioSwitchMode.Set	Enables or disables the "follow video" feature.

Display (CEC/RS-232/IP)

Request Object	Description
DisplayCtrl.Get	Returns the display control mode.
DisplayCtrlCecCmd.Set	Triggers the AT-PRO5-MX810 to send the stored CEC command, from the specified extension port, to the display.
DisplayCtrlDelay.Set	Sets the delay for the AT-PRO5-MX810 to turn off the display when there is no signal on the specified extension port.
DisplayCtrlRs232.Set	Sets the RS-232 parameters for the specified extension port.
DisplayCtrlRs232Cmd.Send	Triggers the AT-PRO5-MX810 to send the command string to the display over the specified extension port.
DisplayCtrlStoreCecCmd.Set	Saves the CEC command to the specified extension port.
DisplayPowerOnAuto.Set	Enables or disables the AT-PRO5-MX810's ability to automatically turn the display on or off based on the extension port output signal.

EDID

Request Object	Description
CustomEdidAlias.Get	Returns the name of each custom EDID from EDID banks 21 - 26.
CustomEdidFile.Clear	Clears the uploaded EDID from the specified memory location.
CustomEdidFile.Set	Saves a custom 512-byte EDID to the specifed memory location.
EDIDInput.Get	Returns the currently assigned EDID for all inputs.
EdidInput.Set	Assigns the desired EDID to the specified input.
EDIDSinkFile.Get	Returns the raw EDID data for the specified EDID mode.

Extension Output

Request Object	Description
ExtensionPort.Get	Returns detailed information about each extension port.
ExtensionPortAutoSw.Set	Enables or disables automatic detection of the active port between copper and fiber cables.
ExtensionPortCtrlPoe.Set	Enables or disables PoE on the specified output port.
ExtensionPortSwitch.Set	Configures the specified extension port for copper or fiber.

HDCP

Request Object	Description
HdcpCompliant.Get	Returns the current HDCP state of all inputs.
HdcpCompliant.Set	Sets the HDCP state for the specified input.

IR Control

Request Object	Description
IRCtrlCmd.Set	Sets the IR command and routes the command to the specified extension port.

Network

Request Object	Description
Network.Get	Returns the current network settings of the AT-PRO5-MX810.
Network.Set	Configures the network settings of the AT-PRO5-MX810.
NetworkHostname.Get	Returns the hostname of the AT-PRO5-MX810.
NetworkHostname.Set	Assigns a hostname to the AT-PRO5-MX810.

Remote Receiver

Request Object	Description
Receiver.Get	Returns detailed information for all output ports.
ReceiverAnalogAudioAlias.Set	Assigns an alias to the specified extension port.
ReceiverAnalogAudioMute.Set	Enables or disables muting for the analog audio on the specified receiver output.
ReceiverAnalogAudioVol.Set	Adjusts the analog output volume for the specified receiver.
ReceiverDisplayResolution.Set	Configures the display resolution for the receiver.
ReceiverDisplayMode.Set	Configures the display mode for the specified receiver.

System

Request Object	Description
Platform.FactoryReset	Resets the AT-PRO5-MX810 to factory default settings.
Platform.Reboot	Reboots the AT-PRO5-MX810.
SSHTelenetEnable.Set	Enables or disables the SSH/Telnet protocol.
System.Get	Returns information about the AT-PRO5-MX810.
SystemBlinkLed.Set	Enables or disables blinking of the LED indicators on the front panel.
SystemStandby.Set	Places the AT-PRO5-MX810 in standby mode.
TCPProxyEnable.Set	Enables or disables TCP proxy.
WebHttpsEnable.Set	Enables or disables HTTPS support.

Time

Request Object	Description
Time.Get	Returns the current time settings of the AT-PRO5-MX810.
Time.Set	Sets the system time.
TimeNTP.Set	Enables or disables NTP.
TimeZone.Get	Returns the current time zone setting of the AT-PRO5-MX810.
TimeZone.Set	Sets the time zone for the AT-PRO5-MX810.

Video

Request Object	Description
VideoHDMIOut5V.Get	Returns the status of HDMI +5 V output when no output signal is present.
VideoHDMIOut5V.Set	Enables or disables the HDMI +5 V when no output signal is present.
VideoInputAlias.Get	Returns the name of the video input source.
VideoInputAlias.Set	Assigns an alias to the source on the specified video input.
VideoInputStatus.Get	Returns the status of the inputs.
VideoOutputAlias.Get	Returns the alias name for each output.
VideoOutputAlias.Set	Assigns an alias to the specified output.
VideoOutputStatus.Get	Returns the status of the output.
VideoPreset.Clear	Clears the specified video preset.
VideoPresetInfo.Get	Returns the video preset information.
VideoPresetLoad	Loads the specified video preset.
VideoPresetName.Set	Assigns a name to the specified video preset.
VideoPresetSave	Saves the current video routing to the specified video preset.
VideoSwitch.Get	Returns the current switching settings.
VideoSwitch.Set	Switches the specified input to the output.

Video Wall

Request Object	Description
VideoWall.Get	Returns the video wall status.
VideoWall.Set	Creates an R x C video wall configuration and assigns a source.
VideoWallBezel.Set	Adjusts the bezel compensation in millimeters.
VideoWallEnable.Set	Enables or disables the video wall.
VideoWallMode.Set	Sets the video wall display mode.
VideoWallPreset.Clear	Deletes the video wall configuration from the specified preset.
VideoWallPresetInfo.Get	Returns information about each video wall preset.
VideoWallPresetLoad	Loads the specified video wall preset.
VideoWallPresetName.Set	Names the specified video wall preset.
VideoWallPresetSave	Saves the current video wall configuration to the specified preset.
VideoWallResolution.Set	Sets the resolution of the video wall.

Audio.Get

Returns the audio status for each output.

Structure
{"jsonrpc": "2.0","id": "X","method": "Audio.Get"}

Identifier	Request Identifier	Argument
X	id	ID (optional)

Example

```
{
    "jsonrpc": "2.0",
    "id": "AudioGetResults",
    "method": "Audio.Get"
}
```

Returns

```
{
    "jsonrpc": "2.0",
    "id": "AudioGetResults",
    "result": [
        {
            "analogaudioout": "out1",
            "routedinput": "hdmiin1",
            "mute": false,
            "volume": -20
        },
        {
            "analogaudioout": "out2",
            "routedinput": "hdmiin1",
            "mute": false,
            "volume": -20
        },
        {
            "analogaudioout": "out3",
            "routedinput": "hdmiin1",
            "mute": false,
            "volume": -20
        },
        {
            "analogaudioout": "out4",
            "routedinput": "hdmiin1",
            "mute": false,
            "volume": -20
        },
        {
            etc.
            ...
            ...
        }
    ]
}
```

AudioInputFormat.Get

Returns details about the source audio format for the specified input.

Structure
{"jsonrpc":"2.0","id":"X","method":"AudioInputFormat.Get","params":"Y"}

Identifier	Request Identifier	Argument
X	id	ID (optional)
Y	input	in1...in8

Example

```
{
    "jsonrpc": "2.0",
    "id": "AudioInputFormatGetResults",
    "method": "AudioInputFormat.Get",
    "params": "in1"
}
```

Returns

```
{
    "jsonrpc": "2.0",
    "id": "AudioInputFormatGetResults",
    "result": {
        "source": "in1",
        "audioformat": "PCM;48kHZ"
    }
}
```

AudioOutFormat.Get

Returns details about the audio format for the specified output.

Structure
{"jsonrpc":"2.0","id":"X","method":"AudioOutFormat.Get","params":"Y"}

Identifier	Request Identifier	Argument
X	id	ID (optional)
Y	output	out1...out8

Example

```
{
    "jsonrpc": "2.0",
    "id": "AudioOutFormatGetResults",
    "method": "AudioOutFormat.Get",
    "params": "out10"
}
```

Returns

```
{
      "jsonrpc": "2.0",
      "id": "AudioOutFormatGetResults",
      "result": {
            "sink": "out10",
            "audioformat": "PCM;48kHZ"
      }
}
```

AudioOutputMute.Set

Enables or disables audio muting for the specified analog audio output.

Structure
{"jsonrpc":"2.0","id":"X","method":"AudioOutputMute.Set","params":{"analogaudioout":"Y","mute":Z}}

Identifier	Request Identifier	Argument
X	id	ID (optional)
Y	analogaudioout	out1...out8
Z	mute	true, false

Example

```
{
    "jsonrpc": "2.0",
    "id": "AudioOutputMuteSetResults",
    "method": "AudioOutputMute.Set",
    "params": {
        "analogaudioout": "out1",
        "mute": "false"
    }
}
```

Returns

```
{
      "jsonrpc": "2.0",
      "id": "AudioOutputMuteSetResults",
      "result": {
            "analogaudioout": "out1",
            "mute": false
      }
}
```

AudioOutputVol.Set

Adjusts the output volume for the specified analog audio output.

Structure
{"jsonrpc":"2.0","id":"X","method":"AudioOutputVol.Set","params":{"analogaudioout":"Y","volume":Z}}

Identifier	Request Identifier	Argument
X	id	ID (optional)
Y	analogaudioout	out1...out8
Z	volume	-80...0

Example

```
{
    "jsonrpc": "2.0",
    "id": "AudioOutputVolSetResults",
    "method": "AudioOutputVol.Set",
    "params": {
        "analogaudioout": "out1",
        "volume": -20
    }
}
```

Returns

```
{
      "jsonrpc": "2.0",
      "id": "AudioOutputVolSetResults",
      "result": {
            "analogaudioout": "out1",
            "volume": -20
      }
}
```

AudioSwitch.Get

Returns the audio routing for each output.

Structure
{"jsonrpc":"2.0","id":"X","method":"AudioSwitch.Get"}

Identifier	Request Identifier	Argument
X	id	ID (optional)

Example

```
{
    "jsonrpc": "2.0",
    "id": "AudioSwitchGetResults",
    "method": "AudioSwitch.Get"
}
```

Returns

```
{
      "jsonrpc": "2.0",
      "id": "AudioSwitchGetResults",
      "result": {
            "audioswitchmode": {
                  "followvideo": false
            },
            "analogaudiorouting": {
                  "out1": "hdmiin1",
                  "out2": "hdmiin1",
                  "out3": "hdmiin1",
                  "out4": "hdmiin1",
                  "out5": "hdmiin1",
                  "out6": "hdmiin1",
                  "out7": "hdmiin1",
                  "out8": "hdmiin1"
            }
      }
}
```

AudioSwitch.Set

Sets the source of the analog audio output.

Structure
{"jsonrpc":"2.0","id":"X","method":"AudioSwitch.Set","params":{"audioin":"Y","analogaudioout":"Z"}}

Identifier	Request Identifier	Argument
X	id	ID (optional)
Y	audioin	in1...in8
Z	analogaudioout	out1...out8

Example

```
{
    "jsonrpc": "2.0",
    "id": "AudioSwitchSetResults",
    "method": "AudioSwitch.Set",
    "params": {
        "audioin": "hdmiin1",
        "analogaudioout": "out1"
    }
}
```

Returns

```
{
    "jsonrpc": "2.0",
    "id": "AudioSwitchSetResults",
    "result": {
        "audioin": "hdmiin1",
        "analogaudioout": "out1"
    }
}
```

AudioSwitchMode.Set

Enables or disables the "follow video" feature. When enabled, the audio output will match the same numbered port as the video during switching.

Structure
`{"jsonrpc":"2.0","id":"X","method":"AudioSwitchMode.Set","params":{"followvideo":Y}}`

Identifier	Request Identifier	Argument
X	id	ID (optional)
Y	followvideo	true, false

Example

```
{
    "jsonrpc": "2.0",
    "id": "AudioSwitchModeSetResults",
    "method": "AudioSwitchMode.Set",
    "params": {
        "followvideo": true
    }
}
```

Returns

```
{
      "jsonrpc": "2.0",
      "id": "AudioSwitchModeSetResults",
      "result": {
            "audioswitchmode": {
                  "followvideo": true
            }
      }
}
```

DisplayCtrl.Get

Returns the display control settings for the specified output.

Structure
{"jsonrpc":"2.0","id":"X","method":"DisplayCtrl.Get","params":"out1"}

Identifier	Request Identifier	Argument
X	id	ID (optional)
Y	params	out1...out8

Example

```
{
    "jsonrpc": "2.0",
    "id": "DisplayCtrlGetResults",
    "method": "DisplayCtrl.Get",
    "params": "out1"
}
```

Returns

```
{
      "jsonrpc": "2.0",
      "id": "DisplayCtrlGetResults",
      "result": {
            "DisplayControl/sinkport": "out1",
            "DisplayControl/AutocontrolEnable": true,
            "DisplayControl/AutocontrolDelay": 2,
            "DisplayControl/RS232/Bitrate": "115200",
            "DisplayControl/RS232/Databits": "8",
            "DisplayControl/RS232/Parity": "N",
            "DisplayControl/RS232/Stopbits": "1",
            "DisplayControl/Ceccommand/poweroff": "40 36",
            "DisplayControl/Ceccommand/poweron": "40 04",
            "DisplayControl/Ceccommand/volumedown": "40 44 42",
            "DisplayControl/Ceccommand/volumeup": "40 44 41"
      }
}
```

DisplayCtrlCecCmd.Set

Triggers the AT-PRO5-MX810 to send the stored CEC command, from the specified extension port, to the display.

Structure
{"jsonrpc":"2.0","id":"X","method":"DisplayCtrlCecCmd.Set","params":{"port":"Y","cmd":"Z"}}

Identifier	Request Identifier	Argument
X	id	ID (optional)
Y	port	out1...out8
Z	cmd	poweron, poweroff, volumeup, volumedown

Example

```
{
    "jsonrpc": "2.0",
    "id": "DisplayCtrlCecCmdResults",
    "method": "DisplayCtrl.Get",
    "params": "out1"
}
```

Returns

```
{
    "jsonrpc": "2.0",
    "id": "DisplayCtrlCecCmdResults",
    "result": true
}
```

DisplayCtrlDelay.Set

Sets the delay for the AT-PRO5-MX810 to turn off the display when there is no signal on the specified extension port. This setting takes effect only when `DisplayPowerOnAuto.Set` is enabled.

Structure
`{"jsonrpc":"2.0","id":"X","method":"DisplayCtrlDelay.Set","params":{"port":"Y","AutocontrolDelay":Z}}`

Identifier	Request Identifier	Argument
X	id	ID (optional)
Y	port	out1...out8
Z	AutocontrolDelay (minutes)	1...38

Example

```
{
    "jsonrpc": "2.0",
    "id": "DisplayCtrlDelaySetResults",
    "method": "DisplayCtrlDelay.Set",
    "params": {
        "port": "out1",
        "AutocontrolDelay": 10
    }
}
```

Returns

```
{
    "jsonrpc": "2.0",
    "id": "DisplayCtrlDelaySetResults",
    "result": {
        "port": "out1",
        "AutocontrolDelay": 10
    }
}
```

DisplayCtrlRs232.Set

Sets the RS-232 parameters for the specified extension port.

Structure
{"jsonrpc":"2.0","id":"X","method":"DisplayCtrlRs232.Set","params":{"port":"Y","baudrate":"Z","parity":"W","dataBit":"V","stopBit":"U"}}

Identifier	Request Identifier	Argument
X	id	ID (optional)
Y	port	1...8
Z	baudrate	9600, 19200, 38400, 57600, 115200
W	parity	none, even, odd, mark
V	dataBit	7, 8
U	stopBit	0, 1

Example

```
{
    "jsonrpc": "2.0",
    "id": "DisplayCtrlRs232SetResults",
    "method": "DisplayCtrlRs232.Set",
    "params": {
        "port": "1",
        "baudrate": "9600",
        "parity": "N",
        "dataBit": "8",
        "stopBit": "1"
    }
}
```

Returns

```
{
    "jsonrpc": "2.0",
    "id": "DisplayCtrlRs232SetResults",
    "result": {
        "port": "1",
        "baudrate": "9600",
        "parity": "N",
        "dataBit": "8",
        "stopBit": "1"
    }
}
```

DisplayCtrlRs232Cmd.Send

Triggers the AT-PRO5-MX810 to send the command string to the display over the specifed extension port.

Structure
{"jsonrpc":"2.0","id":"X","method":"DisplayCtrlRs232Cmd.Send","params":{"port":"Y","mode":"Z","data":"W"}}

Identifier	Request Identifier	Argument
X	id	ID (optional)
Y	port	out1...out8
Z	mode	str, hex
W	data	none, even, odd, mark

Example

```
{
    "jsonrpc": "2.0",
    "id": "DisplayCtrlRs232CmdResults",
    "method": "DisplayCtrlRs232Cmd.Send",
    "params": {
        "port": "out8",
        "mode": "str",
        "data": "74 65 73 74"
    }
}
```

Returns

```
{
    "jsonrpc": "2.0",
    "id": "DisplayCtrlRs232CmdResults",
    "result": true
}
```

DisplayCtrlStoreCecCmd.Set

Saves the CEC command to the specified extension port.

Structure
`{"jsonrpc":"2.0","id":"X","method":"DisplayCtrlStoreCecCmd.Set","params":{"port":"Y", "cmd":"Z","data":"W"}}`

Identifier	Request Identifier	Argument
X	id	ID (optional)
Y	port	out1...out8
Z	mode	poweron, poweroff, volumeup, volumedown
W	data	CEC command

Example

```
{
    "jsonrpc": "2.0",
    "id": "DisplayCtrlStoreCecCmdResults",
    "method": "DisplayCtrlStoreCecCmd.Set",
    "params": {
        "port": "out8",
        "cmd": "poweron",
        "data": "74 65 73 74"
    }
}
```

Returns

```
{
    "jsonrpc": "2.0",
    "id": "DisplayCtrlStoreCecCmdResults",
    "result": {
        "port": "out8",
        "cmd": "poweron",
        "data": "74 65 73 74"
    }
}
```

DisplayPowerOnAuto.Set

Enables or disables the display auto-power feature. When enabled, the display will automatically turn on or off depending on whether a video signal is detected on the specified extension port.

Structure
{"jsonrpc":"2.0","id":"X","method":"DisplayPowerOnAuto.Set","params":{"port":"Y","AutocontrolEnable":Z}}

Identifier	Request Identifier	Argument
X	id	ID (optional)
Y	port	out1...out8
Z	AutocontrolEnable	true, false

Example

```
{
    "jsonrpc": "2.0",
    "id": "DisplayPowerOnAutoSetResults",
    "method": "DisplayPowerOnAuto.Set",
    "params": {
        "port": "out8",
        "AutocontrolEnable": true
    }
}
```

Returns

```
{
    "jsonrpc": "2.0",
    "id": "DisplayPowerOnAutoSetResults",
    "result": {
        "port": "out8",
        "AutocontrolEnable": true
    }
}
```

CustomEdidAlias.Get

Returns the name of each custom EDID from EDID banks 21 - 26.

Structure
{"jsonrpc":"2.0","id":"X","method":"CustomEdidAlias.Get"}

Identifier	Request Identifier	Argument
X	id	ID (optional)

Example

```
{
       "jsonrpc": "2.0",
       "id": "CustomEdidAliasGetResults",
       "method": "CustomEdidAlias.Get"
}
```

Returns

```
{
    "jsonrpc": "2.0",
    "id": "CustomEdidAliasGetResults",
    "result": {
        "customedidalias": [
            {
                "index": 1,
                "alias": "Custom 1"
            },
            {
                "index": 2,
                "alias": "Custom 2"
            },
            {
                "index": 3,
                "alias": "Custom 3"
            },
            {
                "index": 4,
                "alias": "Custom 4"
            },
            {
                "index": 5,
                "alias": "Custom 5"
            }
        ]
    }
}
```

CustomEdidFile.Clear

Clears the uploaded EDID from the specified memory location.

Structure
{"jsonrpc":"2.0","id":"X","method":"CustomEdidFile.Clear","params":"Y"}

Identifier	Request Identifier	Argument
X	id	ID (optional)
Y	params	1...5

Example

```
{
    "jsonrpc": "2.0",
    "id": "CustomEdidFileClearResults",
    "method": "CustomEdidFile.Clear",
    "params": 1
}
```

Returns

```
{
    "id": "CustomEdidFileClearResults",
    "result": {
        "customedidfileclear": {
            "index": 1,
            "alias": "custom 1",
            "edid": "XXXXXXXXX"
        }
    },
    "jsonrpc": "2.0"
}
```

CustomEdidFile.Set

Saves a custom 512-byte EDID to the specifed memory location.

Structure
{"jsonrpc":"2.0","id":"X","method":"CustomEdidFile.Set","params":{"index":Y,"alias":"Z","edid":"W"}}

Identifier	Request Identifier	Argument
X	id	ID (optional)
Y	index	1...5
Z	alias	Name of EDID (string)
W	edid	Raw EDID data (string)

Example

```
{
    "jsonrpc": "2.0",
    "id": "CustomEdidFileSetResults",
    "method": "CustomEdidFile.Set",
    "params": {
        "index": 2,
        "alias": "LG2",
        "edid": "00FFFFFFFFFFFF001E6D010001010101011B010 380A05A780AEE91A3544C99260F
                5054A10800314045406140714081800101010101010108E80030F2705A80B0588A0040
                846300001E023A801871382D40582C450040846300001E000000FD003A791E883C00
                0A2020202020200000000FC004C472054560A2020202020202020163020360F15A6160
                101F666504130514030212202122150 15D5E5F6263643F402F095707150750570701
                3D06C06704036E030C001000B83C2000800102030467D85DC401788003E200CFE305
                C000E3060D01E20F33EB0146D000260A0975805B6C662150B051001B304070360040
                846300001E00000000000000000000000000001"
    }
}
```

Returns

```
{
    "jsonrpc": "2.0",
    "id": "CustomEdidFileSetResults",
    "method": "CustomEdidFile.Set",
    "params": {
        "index": 2,
        "alias": "LG2",
        "edid": "00FFFFFFFFFFFF001E6D010001010101011B010 380A05A780AEE91A3544C99260F
                5054A10800314045406140714081800101010101010108E80030F2705A80B0588A0040
                846300001E023A801871382D40582C450040846300001E000000FD003A791E883C00
                0A2020202020200000000FC004C472054560A2020202020202020163020360F15A6160
                101F666504130514030212202122150 15D5E5F6263643F402F095707150750570701
                3D06C06704036E030C001000B83C2000800102030467D85DC401788003E200CFE305
                C000E3060D01E20F33EB0146D000260A0975805B6C662150B051001B304070360040
                846300001E00000000000000000000000000001"
    }
}
```

EDIDInput.Get

Returns the currently assigned EDID for all inputs. Refer to the EdidInput.Set command for information on assigning an EDID to an input.

Structure
{"jsonrpc":"2.0","id":"X","method":"EDIDInput.Get"}

Identifier	Request Identifier	Argument
X	id	ID (optional)

Example

```
{
    "jsonrpc": "2.0",
    "id": "EDIDInputGetResults",
    "method": "EDIDInput.Get"
}
```

Returns

```
{
      "jsonrpc": "2.0",
      "id": "EDIDInputGetResults",
      "result": [
            {
                  "source": "in1",
                  "edidmode": 11
            },
            {
                  "source": "in2",
                  "edidmode": 11
            },
            {
                  "source": "in3",
                  "edidmode": 11
            },
            {
                  "source": "in4",
                  "edidmode": 11
            },
            {
                  "source": "in5",
                  "edidmode": 11
            },
            {
                  "source": "in6",
                  "edidmode": 11
            },
            ...
            ...
            ...
            {
                  "source": "in8",
                  "edidmode": 11
            }
      ]
}
```

EdidInput.Set

Assigns the desired EDID to the specified input. Refer to the table for details on the `edidmode` argument.

Structure
`{"jsonrpc":"2.0","id":"X","method":"EDIDInput.Set","params":{"source":"Y","edidmode":Z}}`

Identifier	Request Identifier	Argument
X	id	ID (optional)
Y	source	in1...in8
Z	edidmode	1...26

EDID Mode	EDID Description
1...10	Copy EDID data from the specified output (1 - 10)
11	4K60 MCH HDR
12	4K60 MCH
13	4K60 PCM MCH HDR
14	4K60 PCM MCH
15	4K60 2CH
16	1080P MCH
17	1080P 2CH
18	1080P Dolby Digital
19	1080P DVI
20	720P Dolby Digital
21	720P 2CH
22...26	Custom EDID 1 - 5

Example

```
{
    "jsonrpc": "2.0",
    "id": "EDIDInputSetResults",
    "method": "EDIDInput.Set",
    "params": {
        "source": "in1",
        "edidmode": 17
    }
}
```

Returns

```
{
    "jsonrpc": "2.0",
    "id": "EDIDInputSetResults",
    "result": {
        "source": "in1",
        "edidmode": 17
    }
}
```

EDIDSinkFile.Get

Returns the raw EDID data for the specified EDID mode. Refer to the EdidInput.Set command for a listing of available EDID modes.

Structure
{"jsonrpc":"2.0","id":"X","method":"EDIDSinkFile.Get","params":Y}

Identifier	Request Identifier	Argument
X	id	ID (optional)
Y	params	1...26

Example

```
{
      "jsonrpc": "2.0",
      "id": "EDIDSinkFileGetResults",
      "method": "EDIDSinkFile.Get",
      "params": 21
}
```

Returns

```
{
    "jsonrpc": "2.0",
    "id": "EDIDSinkFileGetResults",
    "result": {
        "sink": 21,
        "edid": "00FFFFFFFFFFFF001E6D010001010101011B010 380A05A780AEE91A3544C99260F
                5054A10800314045406140714081800101010101010108E80030F2705A80B0588A0040
                846300001E023A801871382D40582C450040846300001E000000FD003A791E883C00
                0A2020202020200000000FC004C472054560A2020202020202020163020360F15A6160
                101F6665041305140302122021221501 5D5E5F6263643F402F095707150750570701
                3D06C06704036E030C001000B83C2000800102030467D85DC401788003E200CFE305
                C000E3060D01E20F33EB0146D000260A0975805B6C662150B051001B304070360040
                846300001E000000000000000000000000000001"
    }
}
```

ExtensionPort.Get

Returns detailed information about each extension port.

Structure
{"jsonrpc":"2.0","id":"X","method":"ExtensionPort.Get"}

Identifier	Request Identifier	Argument
X	id	ID (optional)

Example

```
{
      "jsonrpc": "2.0",
      "id": "ExtensionPortGetResults",
      "method": "ExtensionPort.Get"
}
```

Returns

```
{
    "jsonrpc": "2.0",
    "id": "ExtensionPortGetResults",
    "result": [
        {
            "ExtensionPort": "out1",
            "ExtensionPoEenable": true,
            "ExtensionLink": true,
            "ExtensionAutoSw": true,
            "ExtensionActivePort": "copper"
        },
        {
            "ExtensionPort": "out2",
            "ExtensionPoEenable": true,
            "ExtensionLink": true,
            "ExtensionAutoSw": true,
            "ExtensionActivePort": "fiber"
        },
        {
            "ExtensionPort": "out3",
            "ExtensionPoEenable": true,
            "ExtensionLink": true,
            "ExtensionAutoSw": true,
            "ExtensionActivePort": "copper"
        },
            ...
            ...
            ...
        {
            "ExtensionPort": "out8",
            "ExtensionPoEenable": true,
            "ExtensionLink": true,
            "ExtensionAutoSw": true,
            "ExtensionActivePort": "fiber"
        }
    ]
}
```

ExtensionPortAutoSw.Set

Enables or disables automatic detection of the active port between copper and fiber cables. The system automatically determines the active port, prioritizing copper by default. If copper is unavailable, then the system checks for SFP+ connectivity. If neither is present, then it defaults to copper and continues to periodically check for any changes.

Structure
`{"jsonrpc":"2.0","id":"X","method":"ExtensionPortAutoSw.Set","params":{"port":"Y","autoswitch":Z}}`

Identifier	Request Identifier	Argument
X	id	ID (optional)
Y	port	out1...out8
Z	autoswitch	true, false

Example

```
{
      "jsonrpc": "2.0",
      "id": "ExtensionPortAutoSwSetResults",
      "method": "ExtensionPortAutoSw.Set",
      "params": {
            "port": "out1",
            "autoswitch": true
      }
}
```

Returns

```
{
    "jsonrpc": "2.0",
    "id": "ExtensionPortAutoSwSetResults",
    "result": {
        "port": "out1",
        "autoswitch": true
    }
}
```

ExtensionPortCtrlPoe.Set

Enables or disables PoE on the specified extension port.

Structure
{"jsonrpc":"2.0","id":"X","method":"ExtensionPortCtrlPoe.Set","params":{"port":"Y","PoEenable":Z}}

Identifier	Request Identifier	Argument
X	id	ID (optional)
Y	port	out1...out8
Z	PoEenable	true, false

Example

```
{
      "jsonrpc": "2.0",
      "id": "ExtensionPortCtrlPoeSetResults",
      "method": "ExtensionPortCtrlPoe.Set",
      "params": {
            "port": "out1",
            "PoEenable": true
      }
}
```

Returns

```
{
    "jsonrpc": "2.0",
    "id": "ExtensionPortCtrlPoeSetResults",
    "result": {
        "port": "out1",
        "PoEenable": true
    }
}
```

ExtensionPortSwitch.Set

Configures the specified extension port for copper or fiber.

Structure
{"jsonrpc":"2.0","id":"X","method":"ExtensionPortSwitch.Set","params":{"port":"Y","switch":"Z"}}

Identifier	Request Identifier	Argument
X	id	ID (optional)
Y	port	out1...out8
Z	switch	copper, fiber

Example

```
{
      "jsonrpc": "2.0",
      "id": "ExtensionPortSwitchSetResults",
      "method": "ExtensionPortSwitch.Set",
      "params": {
            "port": "out1",
            "switch": "copper"
      }
}
```

Returns

```
{
    "jsonrpc": "2.0",
    "id": "ExtensionPortSwitchSetResults",
    "result": {
        "port": "out1",
        "switch": "copper"
    }
}
```

HdcpCompliant.Get

Returns the HDCP-compliant status for each input.

Structure
{"jsonrpc":"2.0","id":"X","method":"HdcpCompliant.Get"}

Identifier	Request Identifier	Argument
X	id	ID (optional)

Example

```
{
       "jsonrpc": "2.0",
       "id": "HdcpCompliantGetResults",
       "method": "HdcpCompliant.Get"
}
```

Returns

```
{
    "jsonrpc": "2.0",
    "id": "HdcpCompliantGetResults",
    "result": [
        {
            "source": "in1",
            "hdcpCompliant": true
        },
        {
            "source": "in2",
            "hdcpCompliant": true
        },
        {
            "source": "in3",
            "hdcpCompliant": true
        },
        {
            "source": "in4",
            "hdcpCompliant": true
        },
        {
            "source": "in5",
            "hdcpCompliant": true
        },
        {
            "source": "in6",
            "hdcpCompliant": true
        },
        {
            "source": "in7",
            "hdcpCompliant": true
        },
        {
            "source": "in8",
            "hdcpCompliant": true
        }
    ]
}
```

HdcpCompliant.Set

Sets the HDCP state for the specified input.

Structure
{"jsonrpc":"2.0","id":"X","method":"HdcpCompliant.Set","params":{"source":"Y","hdcpCompliant":Z}}

Identifier	Request Identifier	Argument
X	id	ID (optional)
Y	source	in1...in8
Z	hdcpCompliant	true, false

Example

```
{
    "jsonrpc": "2.0",
    "id": "HdcpCompliantSetResults",
    "method": "HdcpCompliant.Set",
    "params": {
        "source": "in1",
        "hdcpCompliant": true
    }
}
```

Returns

```
{
    "jsonrpc": "2.0",
    "id": "HdcpCompliantSetResults",
    "result": {
        "source": "in1",
        "hdcpCompliant": true
    }
}
```

IRCtrlCmd.Set

Sets the IR command and routes the command to the specified extension port.

Structure
{"jsonrpc":"2.0","id":"X","method":"IRCtrlCmd.Set","params":{"port":"Y","irdata":"Z"}}

Identifier	Request Identifier	Argument
X	id	ID (optional)
Y	port	out1...out8
Z	irdata	Pronto code format

Example

```
{
    "jsonrpc": "2.0",
    "id": "IRCtrlCmdSetResults",
    "method": "IRCtrlCmd.Set",
    "params": {
        "port": "out8",
        "irdata": "0000 006D 0022 0002 0155 00AA 0015 0015 0015 0015 0015 0015 0015
                  0015 0015 0040 0015 0015 0015 0015 0015 0015 0015 0040 0015 0040
                  0015 0040 0015 0040 0015 0015 0015 0040 0015 0040 0015 0040 0015
                  0015 0015 0015 0015 0040 0015 0040 0015 0015 0015 0015 0015 0015
                  0015 0015 0015 0040 0015 0040 0015 0015 0015 0015 0015 0040 0015
                  0040 0015 0040 0015 0040 0015 05ED 0155 0055 0015 0E47"
    }
}
```

Returns

```
{
    "jsonrpc": "2.0",
    "id": "IRCtrlCmdSetResults",
    "result": true
}
```

Network.Get

Returns the current network settings of the AT-PRO5-MX810.

Structure
`{"jsonrpc":"2.0","id":"X","method":"Network.Get"}`

Identifier	Request Identifier	Argument
X	id	ID (optional)

Example

```
{
    "jsonrpc": "2.0",
    "id": "NetworkGetResults",
    "method": "Network.Get"
}
```

Returns

```
{
    "jsonrpc": "2.0",
    "id": "NetworkGetResults",
    "result": {
        "ip_mode": "DHCP",
        "ipaddr": "10.20.20.87",
        "netmask": "255.255.255.0",
        "gateway": "10.20.20.1",
        "mac": "B8:98:B0:0E:F9:65"
    }
}
```

Network.Set

Configures the network settings for the AT-PRO5-MX810.

Structure
{"jsonrpc":"2.0","id":"X","method":"Network.Set","params":{"ip_mode":"Y","ipaddr":"Z","netmask":"W","gateway":"U"}}

Identifier	Request Identifier	Argument
X	id	ID (optional)
Y	ip_mode	autoip, dhcp, static
Z	ipaddr	IP address
W	netmask	Subnet mask
U	gateway	Gateway (router address)

Example

```
{
    "jsonrpc": "2.0",
    "id": "NetworkSetResults",
    "method": "Network.Set",
    "params": {
        "ip_mode": "dhcp",
        "ipaddr": "10.20.20.87",
        "netmask": "255.255.255.0",
        "gateway": "10.20.20.1"
    }
}
```

Returns

```
{
    "jsonrpc": "2.0",
    "id": "NetworkSetResults",
    "result": {
        "ip_mode": "DHCP",
        "ipaddr": "10.20.20.87",
        "netmask": "255.255.255.0",
        "gateway": "10.20.20.1",
    }
}
```

NetworkHostname.Get

Returns the hostname of the AT-PRO5-MX810.

Structure
`{"jsonrpc":"2.0","id":"X","method":"NetworkHostname.Get"}`

Identifier	Request Identifier	Argument
X	id	ID (optional)

Example

```
{
    "jsonrpc": "2.0",
    "id": "NetworkHostnameGetResults",
    "method": "NetworkHostname.Get"
}
```

Returns

```
{
    "jsonrpc": "2.0",
    "id": "NetworkHostnameGetResults",
    "result": {
        "hostname": "MX810-0ef965"
    }
}
```

NetworkHostname.Set

Assigns a hostname to the AT-PRO5-MX810. If a null string is provided for the hostname, then the default hostname will be used.

Structure
{"jsonrpc":"2.0","id":"X","method":"NetworkHostname.Set","params":"Y"}

Identifier	Request Identifier	Argument
X	id	ID (optional)
Y	params	Hostname

Example

```
{
      "jsonrpc": "2.0",
      "id": "NetworkHostnameSetResults",
      "method": "NetworkHostname.Set",
      "params": "PRO5-ClassRm"
}
```

Returns

```
{
    "jsonrpc": "2.0",
    "id": "NetworkHostnameSetResults",
    "result": {
        "hostname": "PRO5-ClassRm"
    }
}
```

Receiver.Get

Returns detailed information for all output ports.

Structure
{"jsonrpc":"2.0","id":"X","method":"Receiver.Get"}

Identifier	Request Identifier	Argument
X	id	ID (optional)

Example

```
{
      "jsonrpc": "2.0",
      "id": "ReceiverGetResults",
      "method": "Receiver.Get"
}
```

Returns

```
{
    "jsonrpc": "2.0",
    "id": "ReceiverGetResults",
    "result": [
        {
            "ReceiverPort": "out1",
            "ReceiverConnect": true,
            "audiooutalias": "Out 1 Receiver",
            "audiosource": "hdmiin1",
            "mute": false,
            "volume": -20,
            "Receiverinfo": {
                "model": "AT-PRO5-101-RX",
                "sn": "09503341240612000l4",
                "fwversion": "1.1.2",
                "hwversion": "0.3.0",
                "displaymode": "genlock",
                "resolution": ""
            }
        },
        ...
        ...
        ...
        {
            "ReceiverPort": "out8",
            "ReceiverConnect": false,
            "audiooutalias": "Out 8 Receiver",
            "audiosource": "hdmiin1",
            "mute": false,
            "volume": -20
        }
    ]
}
```

ReceiverAnalogAudioAlias.Set

Assigns an alias to the specified extension port.

Structure
{"jsonrpc":"2.0","id":"X","method":"ReceiverAnalogAudioAlias.Set","params":{"port":"Y","alias":"Z"}}

Identifier	Request Identifier	Argument
X	id	ID (optional)
Y	port	out1...out8
Z	alias	String (16 characters, max.)

Example

```
{
    "jsonrpc": "2.0",
    "id": "ReceiverAnalogAudioAliasSetResults",
    "method": "ReceiverAnalogAudioAlias.Set",
    "params": {
        "port": "out1",
        "alias": "output1"
    }
}
```

Returns

```
{
    "id": "ReceiverAnalogAudioAliasSetResults",
    "result": {
        "audiooutalias": {
            "port": "out1",
            "alias": "output1"
        }
    },
    "jsonrpc": "2.0"
}
```

ReceiverAnalogAudioMute.Set

Enables or disables muting for the analog audio on the specified receiver output.

Structure
{"jsonrpc":"2.0","id":"X","method":"ReceiverAnalogAudioMute.Set","params":{"port":"Y","mute":Z}}

Identifier	Request Identifier	Argument
X	id	ID (optional)
Y	port	out1...out8
Z	mute	true, false

Example

```
{
       "jsonrpc": "2.0",
       "id": "ReceiverAnalogAudioMuteSetResults",
       "method": "ReceiverAnalogAudioMute.Set",
       "params": {
              "port": "out1",
              "mute": true
       }
}
```

Returns

```
{
    "jsonrpc": "2.0",
    "id": "ReceiverAnalogAudioMuteSetResults",
    "result": {
        "port": "out1",
        "mute": true
    }
}
```

ReceiverAnalogAudioVol.Set

Adjusts the analog output volume for the specified receiver. Volume is measured in dBVU.

Structure
{"jsonrpc":"2.0","id":"X","method":"ReceiverAnalogAudioVol.Set","params":{"port":"Y","volume":Z}}

Identifier	Request Identifier	Argument
X	id	ID (optional)
Y	port	out1...out8
Z	volume	-80...0

Example

```
{
    "jsonrpc": "2.0",
    "id": "ReceiverAnalogVolSetResults",
    "method": "ReceiverAnalogAudioVol.Set",
    "params": {
        "port": "out1",
        "volume": 0
    }
}
```

Returns

```
{
      "jsonrpc": "2.0",
      "id": "ReceiverAnalogVolSetResults",
      "result": {
            "port": "out1",
            "volume": 0
      }
}
```

ReceiverDisplayResolution.Set

Configures the display resolution for the receiver. This command is only compatible with the AT-PRO5-101-SC-RX and cannot be used with video wall applications.

Structure
{"jsonrpc":"2.0","id":"X","method":"ReceiverDisplayResolution.Set","params":{"port":"Y","resolution":"Z"}}

Identifier	Request Identifier	Argument
X	id	ID (optional)
Y	port	out1...out8
Z	resolution	720P, 1080P, 2160P, 4096x2160, 1024x768, 1280x768, 1280x960, 1280x1024, 1360x768, 1400x1050, 1600x1200, 1680x1050, 1920x1200

Example

```
{
      "jsonrpc": "2.0",
      "id": "ReceiverDisplayResolutionSetResults",
      "method": "ReceiverDisplayResolution.Set",
      "params": {
            "port": "out6",
            "resolution": "720P"
      }
}
```

Returns

```
{
    "jsonrpc": "2.0",
    "id": "ReceiverDisplayResolutionSetResults",
    "result": {
        "port": "out6",
        "resolution": "720P"
    }
}
```

ReceiverDisplayMode.Set

Configures the display mode for the specified receiver. Refer to the *AT-PRO5-MX810 User Manual* for information on display modes.

Structure
`{"jsonrpc":"2.0","id":"X","method":"ReceiverDisplayMode.Set","params":{"port":"Y","displaymode":"Z"}}`

Identifier	Request Identifier	Argument
X	id	ID (optional)
Y	port	out1...out8
Z	displaymode	genlock, genlock_scaling, fastswitch

Example

```
{
	"jsonrpc": "2.0",
	"id": "ReceiverDisplayModeSetResults",
	"method": "ReceiverDisplayMode.Set",
	"params": {
		"port": "out6",
		"displaymode": "genlock_scaling"
	}
}
```

Returns

```
{
	"jsonrpc": "2.0",
	"id": "ReceiverDisplayModeSetResults",
	"result": {
		"port": "out6",
		"displaymode": "genlock_scaling"
	}
}
```

Platform.FactoryReset

Performs a factory-reset of the AT-PRO5-MX810.

Structure
{"jsonrpc":"2.0","id":"X","method":"Platform.FactoryReset"}

Identifier	Request Identifier	Argument
X	id	ID (optional)

Example

```
{
      "jsonrpc": "2.0",
      "id": "PlatformFactoryResetResults",
      "method": "Platform.FactoryReset"
}
```

Returns

```
{
    "id": "PlatformFactoryResetResults",
    "result": true,
    "jsonrpc": "2.0"
}
```

Platform.Reboot

Performs a soft reboot of the AT-PRO5-MX810. All routing, system, and network settings are preserved.

Structure
{"jsonrpc":"2.0","id":"X","method":"Platform.Reboot"}

Identifier	Request Identifier	Argument
X	id	ID (optional)

Example

```
{
      "jsonrpc": "2.0",
      "id": "PlatformRebootResults",
      "method": "Platform.Reboot"
}
```

Returns

```
{
    "id": "PlatformRebootResults",
    "result": true,
    "jsonrpc": "2.0"
}
```

SSHTelenetEnable.Set

Enables or disables the SSH/Telnet protocol.

Structure
{"jsonrpc":"2.0","id":"X","method":"SSHTelnetEnable.Set","params":true}

Identifier	Request Identifier	Argument
X	id	ID (optional)
Y	params	true, false

Example

```
{
      "jsonrpc": "2.0",
      "id": "SSHTelnetEnableSetResults",
      "method": "SSHTelnetEnable.Set",
      "params": true
}
```

Returns

```
{
    "jsonrpc": "2.0",
    "id": "SSHTelnetEnableSetResults",
    "result": {
        "sshtelnetenable": {
            "enable": true
        }
    }
}
```

System.Get

Displays the current system information.

Structure
{"jsonrpc":"2.0","id":"X","method":"System.Get"}

Identifier	Request Identifier	Argument
X	id	ID (optional)

Example

```
{
      "jsonrpc": "2.0",
      "id": "SystemGetResults",
      "method": "System.Get"
}
```

Returns

```
{
    "jsonrpc": "2.0",
    "id": "SystemGetResults",
    "result": {
        "HwVer": " 0.2",
        "FwVer": "1.0.0",
        "AllVer": " ARM_1.0.0 MCU_1.1.5 CPLD_1.0.3 FPGA_1.0.5 AVP1_2.1.0 AVP2_2.1.0
AVP3_2.1.0 AVP4_2.1.0 AVP5_2.1.0 AVP6_2.1.0 AVP7_2.1.0 AVP8_2.1.0",
        "model": "AT-PRO5-MX810",
        "serialnumber": "09503327240607000004",
        "standby": false,
        "SSHTelnet": true,
        "TCPProxy": true,
        "https": true,
        "ethernetportLinkl": true,
        "temperature": 45,
        "fanspeed": 1037,
        "network": {
            "hostname": "MX810-0ef965",
            "macaddress": "B8:98:B0:0E:F9:65",
            "ipaddress": "10.20.20.87"
        }
    }
}
```

SystemBlinkLed.Set

Enables or disables the blinking of the AT-PRO5-MX810 front panel LED indicators.

Structure
{"jsonrpc":"2.0","id":"X","method":"SystemBlinkLed.Set","params":Y}

Identifier	Request Identifier	Argument
X	id	ID (optional)
Y	params	true, false

Example

```
{
    "jsonrpc": "2.0",
    "id": "SystemBlinkLedSetResults",
    "method": "SystemBlinkLed.Set",
    "params": false
}
```

Returns

```
{
    "jsonrpc": "2.0",
    "id": "SystemBlinkLedSetResults",
    "result": true
}
```

SystemStandby.Set

Enables or disables system standby mode.

Structure
`{"jsonrpc":"2.0","id":"X","method":"SystemStandby.Set","params":Y}`

Identifier	Request Identifier	Argument
X	id	ID (optional)
Y	params	true, false

Example

```
{
      "jsonrpc": "2.0",
      "id": "SystemStandbySetResults",
      "method": "SystemStandby.Set",
      "params": true
}
```

Returns

```
{
    "jsonrpc": "2.0",
    "id": "SystemStandbySetResults",
    "result": true
}
```

TCPProxyEnable.Set

Enables or disables TCP proxy.

Structure
{"jsonrpc":"2.0","id":"X","method":"TCPProxyEnable.Set","params":Y}

Identifier	Request Identifier	Argument
X	id	ID (optional)
Y	params	true, false

Example

```
{
      "jsonrpc": "2.0",
      "id": "TCPProxyEnableSetResults",
      "method": "TCPProxyEnable.Set",
      "params": true
}
```

Returns

```
{
    "jsonrpc": "2.0",
    "id": "TCPProxyEnableSetResults",
    "result": true
}
```

WebHttpsEnable.Set

Enables or disables HTTPS support.

Structure
{"jsonrpc":"2.0","id":"X","method":"WebHttpsEnable.Set","params":Y}

Identifier	Request Identifier	Argument
X	id	ID (optional)
Y	params	true, false

Example

```
{
      "jsonrpc": "2.0",
      "id": "WebHttpsEnableSetResults",
      "method": "WebHttpsEnable.Set",
      "params": true
}
```

Returns

```
{
    "jsonrpc": "2.0",
    "id": "WebHttpsEnableSetResults",
    "result": true
}
```

Time.Get

Returns the current time settings of the AT-PRO5-MX810.

Structure
{"jsonrpc":"2.0","id":"X","method":"Time.Get"}

Identifier	Request Identifier	Argument
X	id	ID (optional)

Example

```
{
    "jsonrpc": "2.0",
    "id": "TimeGetResults",
    "method": "Time.Get"
}
```

Returns

```
{
    "jsonrpc": "2.0",
    "id": "TimeGetResults",
    "result": "2024-12-04 22:05:13"
}
```

Time.Set

Sets the system time. The `params` object must be formatted as: `YYYY-MM-DD[SPACE]hh:mm:ss`.

Structure
{"jsonrpc":"2.0","id":"X","method":"Time.Set","params":"Y"}

Identifier	Request Identifier	Argument
X	id	ID (optional)
Y	params	Time

Example

```
{
    "jsonrpc": "2.0",
    "id": "TimeSetResults",
    "method": "Time.Set",
    "params": "2024-09-27 08:37:00"
}
```

Returns

```
{
    "jsonrpc": "2.0",
    "id": "TimeSetResults",
    "result": true
}
```

TimeNTP.Set

Enables or disables NTP. The default NTP server is `pool.ntp.gov`.

Structure
`{"jsonrpc":"2.0","id":"X","method":"TimeNTP.Set","params":{"enabled":Y,"hostname":"Z"}}`

Identifier	Request Identifier	Argument
X	id	ID (optional)
Y	enabled	true, false
Z	hostname	NTP server hostname or IPv4 address

Example

```
{
	"jsonrpc": "2.0",
	"id": "TimeNTPSetResults",
	"method": "TimeNTP.Set",
	"params": {
		"enabled": true,
		"hostname": "pool.ntp.org"
	}
}
```

Returns

```
{
	"jsonrpc": "2.0",
	"id": "TimeNTPSetResults",
	"result": {
		"enabled": true,
		"hostname": "pool.ntp.org"
	}
}
```

TimeZone.Get

Returns the current time zone setting of the AT-PRO5-MX810.

Structure
{"jsonrpc":"2.0","id":"X","method":"TimeZone.Get"}

Identifier	Request Identifier	Argument
X	id	ID (optional)

Example

```
{
       "jsonrpc": "2.0",
       "id": "TimeZoneGetResults",
       "method": "TimeZone.Get"
}
```

Returns

```
{
    "id": "TimeZoneGetResults",
    "result": {
        "timezones": [
            {
                "name": "Africa/Abidjan",
                "offset": 0,
                "zone": "GMT",
                "dst": false,
                "soff": 0,
                "szone": "GMT",
                "woff": 0,
                "wzone": "GMT"
            },
            ...
            ...
            ...
            {
                "name": "Africa/Bissau",
                "offset": 0,
                "zone": "GMT",
                "dst": false,
                "soff": 0,
                "szone": "GMT",
                "woff": 0,
                "wzone": "GMT"
            }
        ],
        "settings": {
            "Time/NTPEnabled": true,
            "Time/NTPHostname": "pool.ntp.org",
            "Time/TimeZone": "Africa/Accra"
        }
    },
    "jsonrpc": "2.0"
}
```

TimeZone.Set

Sets the time zone for the AT-PRO5-MX810. The `params` object must include country or continent and city, and must be formatted as `COUNTRY(CONTINENT)/CITY`.

Structure
`{"jsonrpc":"2.0","id":"X","method":"TimeZone.Set","params":"Y"}`

Identifier	Request Identifier	Argument
X	id	ID (optional)
Y	params	Time zone name

Example

```
{
      "jsonrpc": "2.0",
      "id": "TimeZoneSetResults",
      "method": "TimeZone.Set",
      "params": "Asia/Tokyo"
}
```

Returns

```
{
    "id": "TimeZoneSetResults",
    "result": true,
    "jsonrpc": "2.0"
}
```

VideoHDMIOut5V.Get

Returns the status of the HDMI output +5V when no output signal is present.

Structure
{"jsonrpc":"2.0","id":"X","method":"VideoHDMIOut5V.Get"}

Identifier	Request Identifier	Argument
X	id	ID (optional)

Example

```
{
    "jsonrpc": "2.0",
    "id": "VideoHDMIOut5VGetResults",
    "method": "VideoHDMIOut5V.Get"
}
```

Returns

```
{
    "jsonrpc": "2.0",
    "id": "VideoHDMIOut5VGetResults",
    "result": [
        {
            "port": "out1",
            "HDMIOut5V": false
        },
        {
            "port": "out2",
            "HDMIOut5V": false
        },
        {
            "port": "out3",
            "HDMIOut5V": false
        },
        {
            "port": "out4",
            "HDMIOut5V": false
        },
        {
            "port": "out5",
            "HDMIOut5V": false
        },
        {
            "port": "out6",
            "HDMIOut5V": false
        },
        ...
        ...
        ...
        {
            "port": "out10",
            "HDMIOut5V": false
        }
    ]
}
```

VideoHDMIOut5V.Set

Returns the status of the HDMI output +5V when no output signal is present.

Structure
{"jsonrpc":"2.0","id":"X","method":"VideoHDMIOut5V.Set","params":{"sink":"Y","HDMIOut5V":Z}}

Identifier	Request Identifier	Argument
X	id	ID (optional)
Y	sink	out1...out10
Z	HDMIOut5V	true, false

Example

```
{
    "jsonrpc": "2.0",
    "id": "VideoHDMIOut5VSetResults",
    "method": "VideoHDMIOut5V.Set",
    "params": {
        "sink": "out10",
        "HDMIOut5V": false
    }
}
```

Returns

```
{
    "jsonrpc": "2.0",
    "id": "VideoHDMIOut5VSetResults",
    "result": {
        "sink": "out10",
        "HDMIOut5V": false
    }
}
```

VideoInputAlias.Get

Returns the name of the video input source. Use the VideoInputAlias.Set command to create source names.

Structure
{"jsonrpc":"2.0","id":"X","method":"VideoInputAlias.Get"}

Identifier	Request Identifier	Argument
X	id	ID (optional)

Example

```
{
       "jsonrpc": "2.0",
       "id": "VideoInputAliasGetResults",
       "method": "VideoInputAlias.Get"
}
```

Returns

```
{
    "jsonrpc": "2.0",
    "id": "VideoInputAliasGetResults",
    "result": {
        "videoinalias": [
            {
                "port": "in1",
                "alias": "Roku Ultra"
            },
            {
                "port": "in2",
                "alias": "Xbox Series X"
            },
            {
                "port": "in3",
                "alias": "INPUT 3"
            },
            {
                "port": "in4",
                "alias": "INPUT 4"
            },
            {
                "port": "in5",
                "alias": "INPUT 5"
            },
            ...
            ...
            ...
            {
                "port": "in8",
                "alias": "INPUT 8"
            }
        ]
    }
}
```

VideoInputAlias.Set

Assigns an alias to the source on the specified video input.

Structure
`{"jsonrpc":"2.0","id":"X","method":"VideoInputAlias.Set","params":{"port":"Y","alias":"Z"}}`

Identifier	Request Identifier	Argument
X	id	ID (optional)
Y	port	in1...in8
Z	alias	String (16 characters maximum)

Example

```
{
    "jsonrpc": "2.0",
    "id": "VideoInputAliasSetResults",
    "method": "VideoInputAlias.Set",
    "params": {
        "port": "in3",
        "alias": "PlayStation5"
    }
}
```

Returns

```
{
    "jsonrpc": "2.0",
    "id": "VideoInputAliasSetResults",
    "result": {
        "videoinalias": {
            "port": "in3",
            "alias": "PlayStation5"
        }
    }
}
```

VideoInputStatus.Get

Returns the status of the specified input.

Structure
{"jsonrpc":"2.0","id":"X","method":"VideoInputStatus.Get","params":"Y"}

Identifier	Request Identifier	Argument
X	id	ID (optional)
Y	params	in1...in8

Example

```
{
    "jsonrpc": "2.0",
    "id": "VideoInputStatusGetResults",
    "method": "VideoInputStatus.Get",
    "params": "in2"
}
```

Returns

```
{
    "jsonrpc": "2.0",
    "id": "VideoInputStatusGetResults",
    "result": {
        "source": "in1",
        "cableconnection": "CONNECTED",
        "signal": "Valid",
        "videoformat": "3840x2160,60;DYNAMIC HDR;YCbCr 422;8 bit",
        "hdcp": "HDCP2.2"
    }
}
```

VideoOutputAlias.Get

Returns the alias name for each output.

Structure
{"jsonrpc":"2.0","id":"X","method":"VideoOutputAlias.Get"}

Identifier	Request Identifier	Argument
X	id	ID (optional)

Example

```
{
      "jsonrpc": "2.0",
      "id": "VideoOutputAliasGetResults",
      "method": "VideoOutputAlias.Get"
}
```

Returns

```
{
    "jsonrpc": "2.0",
    "id": "VideoOutputAliasGetResults",
    "result": {
        "videooutalias": [
            {
                "port": "out1",
                "alias": "OUTPUT 1"
            },
            {
                "port": "out2",
                "alias": "OUTPUT 2"
            },
            {
                "port": "out3",
                "alias": "OUTPUT 3"
            },
            {
                "port": "out4",
                "alias": "OUTPUT 4"
            },
            {
                "port": "out5",
                "alias": "OUTPUT 5"
            },
            ...
            ...
            ...
            {
                "port": "out10",
                "alias": "OUTPUT 10"
            }
        ]
    }
}
```

VideoOutputAlias.Set

Assigns an alias to the specified output.

Structure
{"jsonrpc":"2.0","id":"X","method":"VideoOutputAlias.Set","params":{"port":"Y","alias":"Z"}}

Identifier	Request Identifier	Argument
X	id	ID (optional)
Y	port	out1...out10
Z	alias	String (16 characters maximum)

Example

```
{
      "jsonrpc": "2.0",
      "id": "VideoOutputAliasSetResults",
      "method": "VideoOutputAlias.Set",
      "params": {
            "port": "out2",
            "alias": "SonyBravia"
      }
}
```

Returns

```
{
    "jsonrpc": "2.0",
    "id": "VideoOutputAliasSetResults",
    "result": {
        "videooutalias": {
            "port": "out2",
            "alias": "SonyBravia"
        }
    }
}
```

VideoOutputStatus.Get

Returns the status of the specified output.

Structure
{"jsonrpc":"2.0","id":"X","method":"VideoOutputStatus.Get","params":"Y"}

Identifier	Request Identifier	Argument
X	id	ID (optional)
Y	params	out1...out10

Example

```
{
      "jsonrpc": "2.0",
      "id": "VideoOutputStatusGetResults",
      "method": "VideoOutputStatus.Get",
      "params": "out10"
}
```

Returns

```
{
    "jsonrpc": "2.0",
    "id": "VideoOutputStatusGetResults",
    "result": {
        "sink": "out10",
        "cableconnection": "CONNECTED",
        "signal": "Valid",
        "videoformat": "3840x2160,60;DYNAMIC HDR;YCbCr 422;8 bit",
        "hdcp": "HDCP2.2"
    }
}
```

VideoPreset.Clear

Clears the specified video preset.

Structure
{"jsonrpc":"2.0","id":"X","method":"VideoPreset.Clear","params":Y}

Identifier	Request Identifier	Argument
X	id	ID (optional)
Y	params	1...10

Example

```
{
    "jsonrpc": "2.0",
    "id": "VideoPresetClearResults",
    "method": "VideoPreset.Clear",
    "params": 10
}
```

Returns

```
{
    "jsonrpc": "2.0",
    "id": "VideoPresetClearResults",
    "result": {
        "videopresetclear": {
            "preset": "10"
        }
    }
}
```

VideoPresetInfo.Get

Returns the video preset information.

Structure
{"jsonrpc":"2.0","id":"X","method":"VideoPresetInfo.Get"}

Identifier	Request Identifier	Argument
X	id	ID (optional)

Example

```
{
    "jsonrpc": "2.0",
    "id": "VideoPresetInfoGetResults",
    "method": "VideoPresetInfo.Get"
}
```

Returns

```
{
    "jsonrpc": "2.0",
    "id": "VideoPresetInfoGetResults",
    "result": {
        "videopresetinfo": [
            {
                "preset": "1",
                "name": "PRESET 1",
                "valid": false
            },
            {
                "preset": "2",
                "name": "PRESET 2",
                "valid": false
            },
            {
                "preset": "3",
                "name": "PRESET 3",
                "valid": false
            },
            {
                "preset": "4",
                "name": "PRESET 4",
                "valid": false
            },
            ...
            ...
            ...
            {
                "preset": "10",
                "name": "PRESET 10",
                "valid": false
            }
        ]
    }
}
```

VideoPresetLoad

Loads the specified video preset.

Structure
{"jsonrpc":"2.0","id":"X","method":"VideoPresetLoad","params":Y}

Identifier	Request Identifier	Argument
X	id	ID (optional)
Y	params	1...10

Example

```
{
    "jsonrpc": "2.0",
    "id": "VideoPresetLoadResults",
    "method": "VideoPresetLoad",
    "params": 6
}
```

Returns

```
{
    "jsonrpc": "2.0",
    "id": "VideoPresetLoadResults",
    "result": {
        "videorouting": {
            "out1": "in5",
            "out2": "in1",
            "out3": "in1",
            "out4": "in1",
            "out5": "in1",
            "out6": "in1",
            "out7": "in1",
            "out8": "in1",
            "out9": "in1",
            "out10": "in1"
        }
    }
}
```

VideoPresetName.Set

Assigns a name to the specified video preset.

Structure
{"jsonrpc":"2.0","id":"X","method":"VideoPresetName.Set","params":{"preset":"Y","name":"Z"}}

Identifier	Request Identifier	Argument
X	id	ID (optional)
Y	preset	1...10
Z	name	String (16 characters maximum)

Example

```
{
    "jsonrpc": "2.0",
    "id": "VideoPresetNameSetResults",
    "method": "VideoPresetName.Set",
    "params": {
        "preset": "10",
        "name": "ConferenceRm_B10"
    }
}
```

Returns

```
{
    "jsonrpc": "2.0",
    "id": "VideoPresetNameSetResults",
    "result": {
        "videopresetname": {
            "preset": "10",
            "name": "ConferenceRm_B10"
        }
    }
}
```

VideoPresetSave

Saves the current video routing to the specified video preset.

Structure
{"jsonrpc":"2.0","id":"X","method":"VideoPresetSave","params":Y}

Identifier	Request Identifier	Argument
X	id	ID (optional)
Y	params	1...10

Example

```
{
    "jsonrpc": "2.0",
    "id": "VideoPresetSaveResults",
    "method": "VideoPresetSave",
    "params": 6
}
```

Returns

```
{
    "jsonrpc": "2.0",
    "id": "VideoPresetSaveResults",
    "result": {
        "videopresetsave": {
            "preset": "6"
        }
    }
}
```

VideoSwitch.Get

Returns the current routing state for each input/output.

Structure
`{"jsonrpc":"2.0","id":"X","method":"VideoSwitch.Get"}`

Identifier	Request Identifier	Argument
X	id	ID (optional)

Example

```
{
       "jsonrpc": "2.0",
       "id": "VideoSwitchGetResults",
       "method": "VideoSwitch.Get"
}
```

Returns

```
{
    "jsonrpc": "2.0",
    "id": "VideoSwitchGetResults",
    "result": {
        "videorouting": {
            "out1": "in1",
            "out2": "in1",
            "out3": "in1",
            "out4": "in1",
            "out5": "in1",
            "out6": "in1",
            "out7": "in1",
            "out8": "in1",
            "out9": "in1",
            "out10": "in1"
        }
    }
}
```

VideoSwitch.Set

Switches the specified input to the specified output.

Structure
{"jsonrpc":"2.0","id":"X","method":"VideoSwitch.Set","params":{"in":"Y","out":"Z"}}

Identifier	Request Identifier	Argument
X	id	ID (optional)
Y	in	in1...in8
Z	out	out1...out10, all

Example

```
{
    "jsonrpc": "2.0",
    "id": "VideoSwitchSetResults",
    "method": "VideoSwitch.Set",
     "params":{
     "in":"in5",
     "out": "out1"
    }
}
```

Returns

```
{
    "jsonrpc": "2.0",
    "id": "VideoSwitchSetResults",
    "result": {
        "videorouting": {
            "out1": "in5"
        }
    }
}
```

VideoWall.Get

Returns the video wall status.

Structure
{"jsonrpc":"2.0","id":"X","method":"VideoWall.Get"}

Identifier	Request Identifier	Argument
X	id	ID (optional)

Example

```
{
    "jsonrpc": "2.0",
    "id": "VideoWallGetResults",
    "method": "VideoWall.Get"
}
```

Returns

```
{
    "jsonrpc": "2.0",
    "id": "VideoWallGetResults",
    "result": {
        "videowallinfo": [
            {
                "wallname": "VideoWall_2x2",
                "walllayout": "2x2",
                "wallmode": "wall_fastswitch",
                "routedinput": "in1",
                "wallout": "out1,out2,out3,out4",
                "wallresolution": "Auto",
                "wallbezel": "0,0,0,0",
                "wallactivate": true
            },
            ...
            ...
            ...
            {
                "wallname": "VideoWall_2x4",
                "walllayout": "2x4",
                "wallmode": "wall_fastswitch",
                "routedinput": "in1",
                "wallout": "out1,out2,out3,out4,out5,out6,out7,out8",
                "wallresolution": "Auto",
                "wallbezel": "0,0,0,0",
                "wallactivate": false
            }
        ],
        "enable": false
    }
}
```

VideoWall.Set

Creates an R x C video wall configuration and assigns a source.

Structure
{"jsonrpc":"2.0","id":"X","method":"VideoWall.Set","params":{"walllayout":"Y","routed input":"Z","walloutput":"W"}}

Identifier	Request Identifier	Argument
X	id	ID (optional)
Y	walllayout	2x2, 1x3, 2x4
Z	routedinput	in1...in8
W	walloutput	out1...out8

Example

```
{
    "jsonrpc": "2.0",
    "id": "VideoWallSetResults",
    "method": "VideoWallAdd",
    "params": {
        "walllayout": "2x2",
        "routedinput": "in1",
        "walloutput": "out1,out2,out3,out4"
    }
}
```

Returns

```
{
    "jsonrpc": "2.0",
    "id": "VideoWallSetResults",
    "result": true
}
```

VideoWallBezel.Set

Adjusts the bezel compensation. Values for the `wallbezel` object must be specified in millimeters.

Structure
`{"jsonrpc":"2.0","id":"X","method":"VideoWallBezel.Set","params":{"walllayout":"Y","wallbezel":"Z"}}`

Identifier	Request Identifier	Argument
X	id	ID (optional)
Y	walllayout	2x2, 1x3, 2x4
Z	wallbezel	Inner Width, Outer Width, Inner Height, Outer Height

Example

```
{
	"jsonrpc": "2.0",
	"id": "VideoWallBezelSetResults",
	"method": "VideoWallBezel.Set",
	"params": {
		"walllayout": "2x2",
		"wallbezel": "10,20,30,40"
	}
}
```

Returns

```
{
    "jsonrpc": "2.0",
    "id": "VideoWallBezelSetResults",
    "result": true
}
```

VideoWallEnable.Set

Enables or disables the video wall.

Structure
{"jsonrpc":"2.0","id":"X","params":true}

Identifier	Request Identifier	Argument
X	id	ID (optional)

Example

```
{
      "jsonrpc": "2.0",
      "id": "VideoWallEnableSetResults",
      "params": true
}
```

Returns

```
{
    "jsonrpc": "2.0",
    "id": "VideoWallEnableSetResults",
    "result": true
}
```

VideoWallMode.Set

Sets the video wall display mode.

Structure
{"jsonrpc":"2.0","id":"X","method":"VideoWallMode.Set","params":{"walllayout":"Y","wallmode":"Z"}}

Identifier	Request Identifier	Argument
X	id	ID (optional)
Y	walllayout	2x2, 1x3, 2x4
Z	wallmode	wall_genlock, wall_fastswitch

Example

```
{
    "jsonrpc": "2.0",
    "id": "VideoWallModeSetResults",
    "method": "VideoWallMode.Set",
    "params": {
        "walllayout": "2x2",
        "wallmode": "wall_fastswitch"
    }
}
```

Returns

```
{
    "jsonrpc": "2.0",
    "id": "VideoWallModeSetResults",
    "result": true
}
```

VideoWallPreset.Clear

Deletes the video wall configuration from the specified preset.

Structure
{"jsonrpc":"2.0","id":"X","method":"VideoWallPreset.Clear","params":Y}

Identifier	Request Identifier	Argument
X	id	ID (optional)
Y	params	1...10

Example

```
{
      "jsonrpc": "2.0",
      "id": "VideoWallPresetClearResults",
      "method": "VideoWallPreset.Clear",
      "params": 10
}
```

Returns

```
{
    "jsonrpc": "2.0",
    "id": "VideoWallPresetClearResults",
    "result": {
        "videowallpresetclear": {
            "preset": 10
        }
    }
}
```

VideoWallPresetInfo.Get

Returns information about each video wall preset.

Structure
{"jsonrpc":"2.0","id":"X","method":"VideoWallPresetInfo.Get"}

Identifier	Request Identifier	Argument
X	id	ID (optional)

Example

```
{
    "jsonrpc": "2.0",
    "id": "VideoWallPresetInfoGetResults",
    "method": "VideoWallPresetInfo.Get"
}
```

Returns

```
{
    "jsonrpc": "2.0",
    "id": "VideoWallPresetInfoGetResults",
    "result": {
        "videowallpresetinfo": [
            {
                "preset": 1,
                "name": "Preset 1",
                "wallname": "",
                "walllayout": "",
                "wallmode": "",
                "routedinput": "",
                "wallout": "",
                "wallresolution": "",
                "wallbezel": "",
                "wallactivate": false
            },
            ...
            ...
            ...
            {
                "preset": 10,
                "name": "Preset 10",
                "wallname": "VideoWall_2x2",
                "walllayout": "2x2",
                "wallmode": "wall_fastswitch",
                "routedinput": "in1",
                "wallout": "out5,out7,out6,out8",
                "wallresolution": "1920x1080",
                "wallbezel": "10,20,30,40",
                "wallactivate": true
            }
        ]
    }
}
```

VideoWallPresetLoad

Loads the specified video wall preset.

Structure
{"jsonrpc":"2.0","id":"X","method":"VideoWallPresetLoad","params":Y}

Identifier	Request Identifier	Argument
X	id	ID (optional)
Y	params	1...10

Example

```
{
    "jsonrpc": "2.0",
    "id": "VideoWallPresetLoadResults",
    "method": "VideoWallPresetLoad",
    "params": 10
}
```

Returns

```
{
    "jsonrpc": "2.0",
    "id": "VideoWallPresetLoadResults",
    "result": {
        "videowallpresetload": {
            "preset": 10
        }
    }
}
```

VideoWallPresetName.Set

Names the specified video wall preset.

Structure
{"jsonrpc":"2.0","id":"X","method":"VideoWallPresetName.Set","params":{"preset":Y,"name":"Z"}}

Identifier	Request Identifier	Argument
X	id	ID (optional)
Y	preset	1...10
Z	name	String (16 characters maximum)

Example

```
{
    "jsonrpc": "2.0",
    "id": "VideoWallPresetNameSetResults",
    "method": "VideoWallPresetName.Set",
    "params": {
        "preset": 10,
        "name": "2x2_Bar"
    }
}
```

Returns

```
{
    "jsonrpc": "2.0",
    "id": "VideoWallPresetNameSetResults",
    "result": {
        "videowallpresetname": {
            "preset": 10,
            "name": "2x2_Bar"
        }
    }
}
```

VideoWallPresetSave

Saves the current video wall configuration to the specified preset.

Structure
{"jsonrpc":"2.0","id":"X","method":"VideoWallPresetSave","params":Y}

Identifier	Request Identifier	Argument
X	id	ID (optional)
Y	preset	1...10

Example

```
{
      "jsonrpc": "2.0",
      "id": "VideoWallPresetSaveResults",
      "method": "VideoWallPresetSave",
      "params": 10
}
```

Returns

```
{
    "jsonrpc": "2.0",
    "id": "VideoWallPresetSaveResults",
    "result": {
        "videowallpresetsave": {
            "preset": 10
        }
    }
}
```

VideoWallResolution.Set

Sets the resolution of the video wall.

Structure
{"jsonrpc":"2.0","id":"X","method":"VideoWallResolution.Set","params":{"walllayout":"Y","wallresolution":"Z"}}

Identifier	Request Identifier	Argument
X	id	ID (optional)
Y	walllayout	2x2, 1x3, 2x4
Z	wallresolution	Auto, 1280x720, 1920x1080, 3840x2160, 4096x2160, 1024x768, 1280x768, 1280x960, 1280x1024, 1360x768, 1400x1050, 1600x1200, 1680x1050, 1920x1200

Example

```
{
      "jsonrpc": "2.0",
      "id": "VideoWallResolutionSetResults",
      "method": "VideoWallResolution.Set",
      "params": {
            "wallname": "2x2",
            "wallresolution": "Auto"
      }
}
```

Returns

```
{
    "jsonrpc": "2.0",
    "id": "VideoWallResolutionSetResults",
    "result": true
}
```