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Introduction

These plugins are based on the APIs of the Pro Convert AES67, providing a rich set of SIMPL+ modules to assist you in creating and developing Crestron projects. You can import the provided modules into the Crestron development environment and compile them. Upon successful compilation, they will be added to the Symbol Library window under the User folder, from where you can utilize them in your SIMPL Windows development environment or the Crestron Studio system. Simply drag them into the Logic directory of the Program window to see the added SIMPL+ modules. You may use all of their input and output signals, and customize the SIMPL+ Module codes to meet your needs, such as adding or altering certain input or output signals to meet your specific requirements.

SIMPL+ modules in this document apply to these products:

- Pro Convert AES67

ProConvertAES67_AudioMeter Module

Obtain all volume information of AES67 matrix.

SIMPL+ File

ProConvertAES67_AudioMeter.usp

Feature

Matrix Settings

Related APIs

[audio-meter](#)

Notice

ProConvertAES67_AudioMeterLimit Module

Obtain the volume information specified by the AES67 matrix.

SIMPL+ File

ProConvertAES67_AudioMeterLimit.usp

Feature

Matrix Settings

Related APIs

[audio-meter-limit](#)

Notice

ProConvertAES67_DeviceInfo Module

Obtain device information such as device name, serial number, firmware version, etc.

SIMPL+ File

ProConvertAES67_DeviceInfo.usp

Feature

General

Related APIs

[device-info](#)

Notice

ProConvertAES67_General Module

Determine whether the device is accessible, restart the device, and reset the device.

SIMPL+ File

ProConvertAES67_General.usp

Feature

General

Related APIs

[ping](#)

[reboot](#)

[factory-reset -permission](#)

[factory-reset](#)

Notice

ProConvertAES67_GeneralInfo Module

Obtain general settings information such as AES67 sampling rate, packet duration, AAC bit rate, etc.

SIMPL+ File

ProConvertAES67_GeneralInfo.usp

Feature

AES67 settings

Related APIs

[general-info](#)

Notice

ProConvertAES67_GeneralSettings Module

Configure general settings such as AES67 sampling rate, packet duration, and AAC bit rate.

SIMPL+ File

ProConvertAES67_GeneralSettings.usp

Feature

AES67 settings

Related APIs

[general-settings](#)

Notice

ProConvertAES67_ObtainDNS Module

Obtain DNS information.

SIMPL+ File

ProConvertAES67_ObtainDNS.usp

Feature

General

Related APIs

[get-dns](#)

Notice

ProConvertAES67_IcesListStreams Module

Obtain all stream information of icecast service.

SIMPL+ File

ProConvertAES67_IcesListStreams.usp

Feature

Icecast Settings

Related APIs

[list-streams](#)

Notice

ProConvertAES67_IcesReceiverApply Module

Set icecast RX parameters.

SIMPL+ File

ProConvertAES67_IcesReceiverApply.usp

Feature

Icecast Settings

Related APIs

[ices-receiver-apply](#)

Notice

ProConvertAES67_IcesReceiverInfo Module

Obtain, add, and delete information on the icecast RX side.

SIMPL+ File

ProConvertAES67_IcesReceiverInfo.usp

Feature

Icecast Settings

Related APIs

[ices-receiver-info](#)

[ices-receiver-del](#)

[ices-receiver-apply](#)

Notice

ProConvertAES67_IcesSenderApply Module

Set icecast TX parameters.

SIMPL+ File

ProConvertAES67_IcesSenderApply.usp

Feature

Icecast Settings

Related APIs

[ices-sender-apply](#)

Notice

ProConvertAES67_IcesSenderInfo Module

Obtain, add and delete information on icecast TX side.

SIMPL+ File

ProConvertAES67_IcesSenderInfo.usp

Feature

Icecast Settings

Related APIs

[ices-sender-info](#)

[ices-sender-del](#)

[ices-sender-apply](#)

Notice

ProConvertAES67_IfInfo Module

Obtain network card information.

SIMPL+ File

ProConvertAES67_IfInfo.usp

Feature

Network Settings

Related APIs

[if-info](#)

Notice

ProConvertAES67_IfRoute Module

Obtain the default route.

SIMPL+ File

ProConvertAES67_IfRoute.usp

Feature

Network Settings

Related APIs

[if-route](#)

Notice

ProConvertAES67_IfSet Module

Configure the network card.

SIMPL+ File

ProConvertAES67_IfSet.usp

Feature

Network Settings

Related APIs

[if-set](#)

Notice

ProConvertAES67_Info Module

Obtain cpu, memory and other information.

SIMPL+ File

ProConvertAES67_Info.usp

Feature

General

Related APIs

[info](#)

Notice

ProConvertAES67_Login Module

Log in/out of the device.

SIMPL+ File

ProConvertAES67_Login.usp

Feature

User login

Related APIs

[login](#)

[logout](#)

Notice

1. The Login module will output the Cookie pin for other modules to use. All other modules need to connect to this Cookie pin to indicate that they have logged into the device.

ProConvertAES67_MatrixInfo Module

Obtain, set, and clear information of the AES67 audio matrix.

SIMPL+ File

ProConvertAES67_MatrixInfo.usp

Feature

Matrix Settings

Related APIs

[matrix-info](#)

[matrix-settings](#)

[matrix-clear](#)

Notice

ProConvertAES67_MatrixMeter Module

Obtain the volume information of the specified channel of the AES67 matrix.

SIMPL+ File

ProConvertAES67_MatrixMeter.usp

Feature

Matrix Settings

Related APIs

[matrix-meter](#)

Notice

ProConvertAES67_NdiReceiverApply Module

Set NDI RX parameters.

SIMPL+ File

ProConvertAES67_NdiReceiverApply.usp

Feature

NDI Settings

Related APIs

[ndi-receiver-apply](#)

Notice

ProConvertAES67_NdiReceiverFind Module

Set device discovery for NDI RX.

SIMPL+ File

ProConvertAES67_NdiReceiverFind.usp

Feature

NDI Settings

Related APIs

[ndi-receiver-find](#)

Notice

ProConvertAES67_NdiReceiverInfo Module

Obtain, add, and delete information on the NDI RX.

SIMPL+ File

ProConvertAES67_NdiReceiverInfo.usp

Feature

NDI Settings

Related APIs

[ndi-receiver-info](#)

[ndi-receiver-apply](#)

[ndi-receiver-del](#)

Notice

ProConvertAES67_NdiReceiverOptions Module

Set general discovery settings such as service IP, group information, etc for NDI RX.

SIMPL+ File

ProConvertAES67_NdiReceiverOptions.usp

Feature

NDI Settings

Related APIs

[ndi-receiver-options](#)

Notice

ProConvertAES67_NdiSenderApply Module

Set NDI TX parameters.

SIMPL+ File

ProConvertAES67_NdiSenderApply.usp

Feature

NDI Settings

Related APIs

[ndi-sender-apply](#)

Notice

ProConvertAES67_NdiSenderFind Module

Set device discovery for NDI TX.

SIMPL+ File

ProConvertAES67_NdiSenderFind.usp

Feature

NDI Settings

Related APIs

[ndi-sender-find](#)

Notice

ProConvertAES67_NdiSenderInfo Module

Obtain, add, and delete information on the NDI TX.

SIMPL+ File

ProConvertAES67_NdiSenderInfo.usp

Feature

NDI Settings

Related APIs

[ndi-sender-info](#)

[ndi-sender-apply](#)

[ndi-sender-del](#)

Notice

ProConvertAES67_NdiSenderOptions Module

Set discovery service IP and other settings for NDI TX.

SIMPL+ File

ProConvertAES67_NdiSenderOptions.usp

Feature

NDI Settings

Related APIs

[ndi-sender-options](#)

Notice

ProConvertAES67_PTPDefault Module

Restore PTP parameters to the default values.

SIMPL+ File

ProConvertAES67_PTPDefault.usp

Feature

PTP Settings

Related APIs

[ptp-default](#)

Notice

ProConvertAES67_PTPInfo Module

Obtain PTP service operation information.

SIMPL+ File

ProConvertAES67_PTPInfo.usp

Feature

PTP Settings

Related APIs

[ptp-info](#)

Notice

ProConvertAES67_PTPSettings Module

Set PTP service parameters such as priority and domain.

SIMPL+ File

ProConvertAES67_PTPSettings.usp

Feature

PTP Settings

Related APIs

[ptp-settings](#)

Notice

ProConvertAES67_PTPState Module

Obtain PTP service running status.

SIMPL+ File

ProConvertAES67_PTPState.usp

Feature

PTP Settings

Related APIs

[ptp-state](#)

Notice

ProConvertAES67_ReceiverSelect Module

Set RX stream of Matrix.

SIMPL+ File

ProConvertAES67_ReceiverSelect.usp

Feature

Matrix Settings

Related APIs

[live-receiver-select](#)

Notice

ProConvertAES67_SdpParse Module

Set SDP parsing.

SIMPL+ File

ProConvertAES67_SdpParse.usp

Feature

AES67 settings

Related APIs

[sdp-parse](#)

Notice

ProConvertAES67_SetDateTime Module

Set NTP function.

SIMPL+ File

ProConvertAES67_SetDateTime.usp

Feature

General

Related APIs

[set-date-time](#)

Notice

ProConvertAES67_SetDeviceName Module

Set the device name.

SIMPL+ File

ProConvertAES67_SetDeviceName.usp

Feature

General

Related APIs

[set-device-name](#)

Notice

ProConvertAES67_SetDNS Module

Set up DNS.

SIMPL+ File

ProConvertAES67_SetDNS.usp

Feature

General

Related APIs

[set-dns](#)

Notice

ProConvertAES67_SetTimeZone Module

Set Time zone.

SIMPL+ File

ProConvertAES67_SetTimeZone.usp

Feature

General

Related APIs

[timezone-set](#)

Notice

ProConvertAES67_SinkApply Module

Set AES67 sink parameters.

SIMPL+ File

ProConvertAES67_SinkApply.usp

Feature

AES67 settings

Related APIs

[sink-apply](#)

Notice

ProConvertAES67_SinkInfo Module

Obtain, add, and delete information of AES67 sink.

SIMPL+ File

ProConvertAES67_SinkInfo.usp

Feature

AES67 settings

Related APIs

[sink-info](#)

[sink-apply](#)

[sink-del](#)

Notice

ProConvertAES67_SinkStatistics Module

Obtain and clear AES67 sink information.

SIMPL+ File

ProConvertAES67_SinkStatistics.usp

Feature

AES67 settings

Related APIs

[sink-statistics](#)

[sink-statistics-clear](#)

Notice

ProConvertAES67_SourceApply Module

Set AES67 source parameters.

SIMPL+ File

ProConvertAES67_SourceApply.usp

Feature

AES67 settings

Related APIs

[source-apply](#)

Notice

ProConvertAES67_SourceInfo Module

Obtain, add, and delete AES67 source information.

SIMPL+ File

ProConvertAES67_SourceInfo.usp

Feature

AES67 settings

Related APIs

[source-info](#)

[source-apply](#)

[source-del](#)

Notice

ProConvertAES67_SrtReceiverApply Module

Set sampling rate, IP address and other parameters for SRT RX.

SIMPL+ File

ProConvertAES67_SrtReceiverApply.usp

Feature

SRT Settings

Related APIs

[srt-receiver-apply](#)

Notice

ProConvertAES67_SrtReceiverInfo Module

Obtain, add, and delete SRT RX information.

SIMPL+ File

ProConvertAES67_SrtReceiverInfo.usp

Feature

SRT Settings

Related APIs

[srt-receiver-info](#)

[srt-receiver-apply](#)

[srt-receiver-del](#)

Notice

ProConvertAES67_SrtSenderApply Module

Set sampling rate, IP address and other parameter settings for SRT TX.

SIMPL+ File

ProConvertAES67_SrtSenderApply.usp

Feature

SRT Settings

Related APIs

[srt-sender-apply](#)

Notice

ProConvertAES67_SrtSenderInfo Module

Obtain, add, and delete information on the SRT TX.

SIMPL+ File

ProConvertAES67_SrtSenderInfo.usp

Feature

SRT Settings

Related APIs

[srt-sender-info](#)

[srt-sender-apply](#)

[srt-sender-del](#)

Notice

ProConvertAES67_SummaryInfo Module

Obtain AES67 operation information.

SIMPL+ File

ProConvertAES67_SummaryInfo.usp

Feature

General

Related APIs

[summary-info](#)

Notice

ProConvertAES67_USBConfig Module

Configure the USB network card.

SIMPL+ File

ProConvertAES67_USBConfig.usp

Feature

Network Settings

Related APIs

[usb-config](#)

Notice

ProConvertAES67_Users Module

Set user management, only administrators have permission.

SIMPL+ File

ProConvertAES67_Users.usp

Feature

User Management

Related APIs

[get-all](#)

[add](#)

[del](#)

[ch-password](#)

[set-password](#)

Notice

ProConvertAES67_VolumeMix Module

Set the audio matrix TX-RX volume.

SIMPL+ File

ProConvertAES67_VolumeMix.usp

Feature

Matrix Settings

Related APIs

[volume-mix](#)

Notice

ProConvertAES67_VolumeTx Module

Set the TX volume of audio matrix.

SIMPL+ File

ProConvertAES67_VolumeTx.usp

Feature

Matrix Settings

Related APIs

[volume-tx](#)

Notice