Arcam ST60 Crestron Driver

Introduction

This driver has been designed to provide control of the Arcam ST60 series of AV receivers/processors via an IP or Serial connection.

NOTE for Best control of the ST60, when using IP, make sure the Crestron processor is the only equipment controlling the ST60

Driver Installation and Configuration

In SIMPL Windows, click `File > Open` and navigate to your .smw program file. The module should appear in your **Program View**.

Select **Central Control Module** in the **Program View**, then click the **Configure** button in the toolbar to select the model of your Crestron processor.

To configure the driver, navigate to the .umc files.

If you have installed the serial driver, connect the Serial_RX and Serial_TX signals and set the Baud rate to 38400. Ensure that the serial cable is connected to your Arcam device.

If using the IP driver, enter the IP of the ST60 device in your parameters. If there is a failure to connect, first ensure that your device and the Crestron processor are both connected to the same network. If this does not resolve the issue, consult the manual provided by Arcam.

Device Configuration

Configure your device as per the manufacturer's instructions. To find a copy of the user manual for your device, select your model from the manufacturer's website here: https://www.arcam.co.uk/product,hda,streamers,st60.htm

If using IP it is recommended that you use a static IP address for the ST60.

If using an RS232 connection, refer to the manufacturer's documentation regarding cable wiring.

Driver Commands

The driver allows control of the ST60 unit using a Crestron touch panel or equivalent device. Commands to set the source, advanced audio options and dark mode are available.

Some sources, as per the ST60 unit, can be selected but not directly controlled by the driver. Sources that allow for direct control are as follows:

- Net

Common functions (play, pause, fast-forward, shuffle etc.) may be called from the driver on these sources. For a comprehensive list of commands, please consult your Arcam unit's User Manual or API Guide.

Driver Variables

This driver tracks a number of variables in order to provide feedback from the ST60 unit. These are as follows:

Status

- Connection status
- Power/standby status
- Software version
- System Name

Device

- Auto shutdown

Inputs

- Current source

Outputs

- Master volume Range 0-99
- Mute

Net

- Now playing data (artist/album/track)
- Application
- Sample rate
- Audio encoder

Driver Parameters

- Max turn on volume (max = 99)
- Max turn on Streaming (max = 99)
- Max volume (max = 99)

Troubleshooting

- Confirm the Ethernet switch used by the Arcam unit is correctly uplinked to the same network as the Crestron processor.

- Confirm that the correct IP address is defined in the Crestron parameters for the ST60 control interface.

- Some sources do not make use of all the parameters in Advanced Audio. For these sources, unimplemented parameters will offer no control.

- If a source is not listed under **Driver Commands** above, this driver offers no direct control of that device.

- USB and Net are the same source internally on the ST series device, so feedback driver receives from device is set as Net when USB is selected. There are separate commands to select USB and NET (just single feedback source).