

Bowers_And_Wilkins CDA Crestron Driver

Release Notes

Category: AV Switcher

Current version: 1.1.1

Crestron hardware required: Any ethernet-enabled series 3 or 4 processor

Vendor firmware: 1.0.0

Vendor setup: The amplifier should be installed, configured and tested according to Bowers_And_Wilkins documentation prior to integration with this driver.

Introduction

This driver has been designed to provide control of the Bowers_And_Wilkins CDA series of amplifier via an IP connection.

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.bowerswilkins.com/en-gb/>

It is recommended that you use a static IP address for the CDA.

Configuration properties of the device are available from the device webpage by browsing to the device ip address in a web browser.

There are 1 and 2 zone variants of the driver. Choose the appropriate driver variant depending on the configuration of the device. For example you can configure a CDA-4D to be used as a single zone or as two separate zones and would need to use to 1 or 2 zone

driver respectively in each case. If you later decide to change the configuration of the product so that there are a different number of zones, you will need to reinstall the other driver variant.

In the Bowers_And_Wilkins device webpage, when configuring the 2 zones of the CDA-4D as a single zone, please ensure that all channels are on zone 1.

The Bowers_And_Wilkins device can only handle 1 IP connection at a time, so please close the device webpage after configuring the device, else the Crestron drivers won't be able to connect.

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.

Enter the IP of the CDA device in your parameters. If the driver fails to connect, first ensure that your device and the Crestron processor are both connected to the same network. Also the Bowers_And_Wilkins CDA device can only handle one IP connection at a time, so please make sure that nothing else is connected to it (as well as closing any device webpages you may have open). If this does not resolve the issue, consult the manual provided by Bowers_And_Wilkins.

If the device's power mode has been configured as "Signal Sense" then the driver is able to put the device into standby when all zones are switched off and wake up the device using Wake-on-LAN when a zone is switched on. For this to work correctly, you must configure the **Subnet Mask** and **MAC Address** parameters of the driver to the values for the device.

NOTE: The device can take about 30 seconds to respond to Wake-on-LAN activation.

Driver Commands

The driver allows control of the CDA unit using a Crestron touch panel or equivalent device. The following functionality is supported:

- Power

- Volume
- Mute

Driver Variables

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

Status

- Connection status

Zones

- Zone Power state
- Zone volume level
- Zone mute state

Device

- Power state

Troubleshooting

- Confirm the Ethernet switch used by the Bowers_And_Wilkins 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 CDA control interface.
- Confirm that nothing else is connected to the Bowers_And_Wilkins unit, and close any device webpages.