

# Director Amplifiers

## Introduction

This AMX driver provides control of AudioControl Director amplifier models D4600, M6800 and M6400. It has been tested with firmware version v1.1.30 R3.

This module provides the following functionality:

- Global On / Off
- Zone On / Off
- Zone volume control (Volume Up, Down and direct select)

## Instructions

This driver comes with a demo program with the functions described above. It is recommended to use this demo initially to check communication with the device prior to integrating with your AMX program.

## Preparation

Copy the AudioControlDirector.tko file located in the zip package provided into your project root directory.

## Module Definition

The module is defined in the following way :

```
define_module 'Audio_control_director_amp' amp1 (vdvAmp , dvAmp , ampIpAddress , model, vdvDebug)
```

Element	Description
vdvAmp	Virtual device for driver to use
dvAmp	IP device number for driver to use
ampIpAddress	IP address of the amplifier
model	Model of unit controlling (“M6400”, “M4800” or “D4600”)
vdvDebug	Device where debug messages should be sent

## Module Commands

Name	Command	Example	Description
Global Power	POWER=[0/1]	<div>POWER=1</div>	Turns the main power of the amplifier on or off
Zone Power	ZONE-POWER=[1-10]:[0/1]	<div>ZONE-POWER=2:1</div>	Turns individual zone on or off. Parameter 1 is zone ID (1-10), parameter two is on (1) or off (0) state.

Name	Command	Example	Description
Volume Control	VOLUME= [1-10]:[+/- /nn]	VOLUME=3 : +	Control volume in a zone. Parameter 1 is zone ID (1-10), parameter two is Volume up (+), Volume Down (-) or go drive to volume level (nn)

Please refer to demo program for further examples of code.

Please note that outputs A and B for the M6400 are referenced by ID's 9 and 10.

Please note that outputs A and B for the M4800 are referenced by ID's 7 and 8.

## Feedback

Type	Description
Levels	11 - 13 provides volume feedback for channels 1 - 10
Channels	1 - 10 provides power feedback for channels 1 - 10