

Arcam AVR Driver

Release Notes

Current Version: 1.0.4.01

Introduction

This driver has been designed to provide two-way control of Arcam AVRs via TCP/IP and RS232. The models supported are:

- AVR5
- AVR10
- AVR11
- AVR20
- AVR21
- AVR30
- AVR31
- AVR40
- AVR41

The driver provides the following features:

- Source selection
- Transport controls for relevant sources
- Preset selection for relevant sources
- Volume and mute control
- Now playing metadata for relevant sources
- One-way commands for various settings:
 - Display brightness
 - Simulate RC5 IR Command
 - IMAX Enhanced
 - Treble Equalisation
 - Bass Equalisation
 - Room Equalisation

- Dolby Volume and Leveller
- Balance
- Subwoofer Trim
- Lipsync
- Compression
- Sub Stereo Trim
- Zone 1 OSD
- Video Output Switching

Arcam AVR Configuration

It is recommended that the AVR be installed, configured and tested by a suitably qualified engineer, according to Arcam's documentation, prior to integration with this driver.

This driver was tested with firmware version: 0.100.472.0x34313bd.

Setup notes

VERY IMPORTANT - Before powering on, make sure the power voltage selection switch is in the correct mode.

RS232

If you are controlling the device via RS232 then this must be setup on the AVR: Menu > General setup > control and select **RS232**.

IP

If you are controlling the device via IP then this must be setup on the AVR: Menu > General setup > control and select **IP**.

Subnet

There is no way to set the AVR subnet (always on 255.255.255.0).

Standby Mode

In Order to power the device on while it is in standby mode please enable the following setting HDMI Bypass and IP. To do this go to Menu > HDMI Settings set "HDMI Bypass and IP" to "On".

Driver Installation

A single driver file is included in the release package:

Driver File Name	Description
Arcam_AVR_v1.0.4.01.tcm2	This file contains driver files to control the device.

The current version included is Arcam_AVR_v1.0.4.01.tcm2.

Adding to Accelerator

Open your existing TC2 System file in URC Accelerator and then import the Arcam_AVR_v1.0.4.01.tcm2 file:

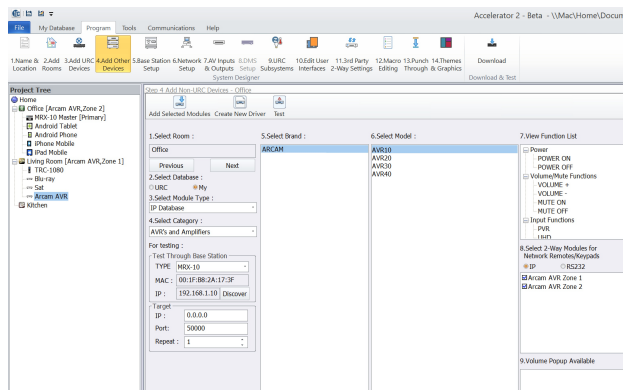
- Choose File -> Import TCM File
- In the Total Control Module Library Import window, locate the Arcam_AVR_v1.0.4.01.tcm2 file and click **Open**.
- From the **Import Total Control Module window that appears**, choose **Import**.

Once the driver has been imported, close URC Accelerator and then reopen it to ensure that the driver has been picked up properly by the driver database.

Adding the Driver

To add the driver:

- Select a room to place the driver
- Choose **Program -> 4. Add Other Devices**.
- Ensure **Select Database** is set to **My**.
- Ensure that **Select Module Type** is set to **IP Database**.
- Set Select Category to **AVR's and Amplifiers**.
- Choose **Arcam** from the **Select Brand** list.
- From the **Select Model** choose the appropriate model for your device.
- Click **Add Selected Modules** to add the device to the room.



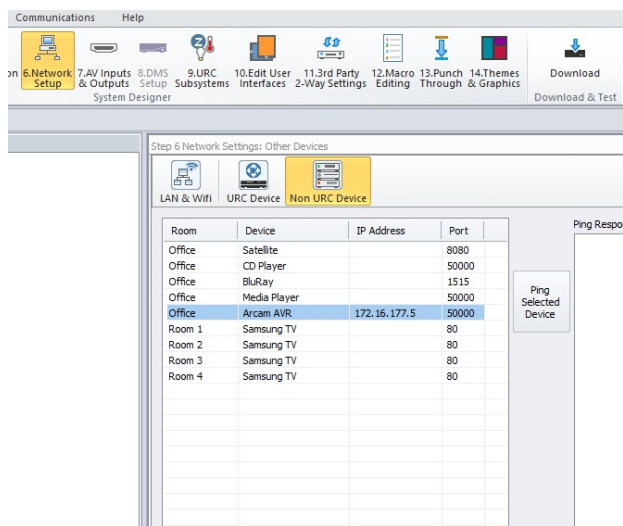
Configuring the Driver

The driver must be configured to properly support your device.

IP Address

The IP Address of the Arcam AVR must be provided to the driver.

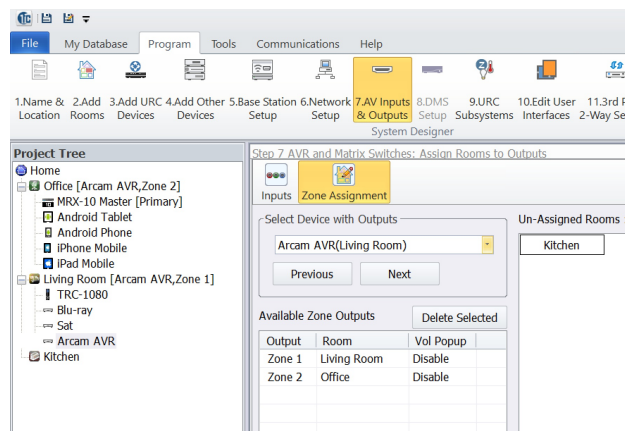
- Choose **Program -> 6. Network Setup.**
- Select **Non URC Device** tab.
- For each instance of the driver, provide the correct **IP address** in the table.
 - Note that the port should be set automatically but for reference the correct port is **50000**



Zone and Input Assignment

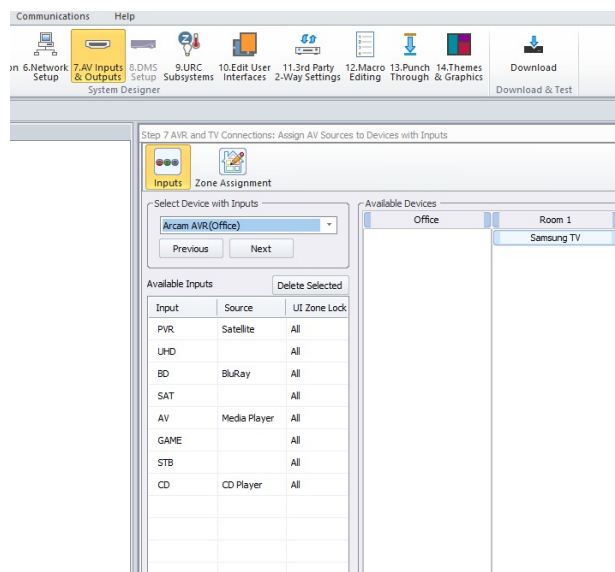
The Arcam AVR provides support for **2 zones** (unless the product is single zone only). These must be assigned to rooms in your Accelerator project.

- Choose **Program -> 7. AV Inputs & Outputs.**
- Select **Zone Assignment** tab.
- Drag rooms from the **unassigned rooms** window into the Room column of the **Available Zone Outputs** table.



Devices can also be assigned as inputs to the Arcam AVR:

- Choose **Program -> 7. AV Inputs & Outputs.**
- Select **Inputs** tab.
- Drag devices from the **Available Devices** window into the Source column of the **Available Inputs** table.



Macros

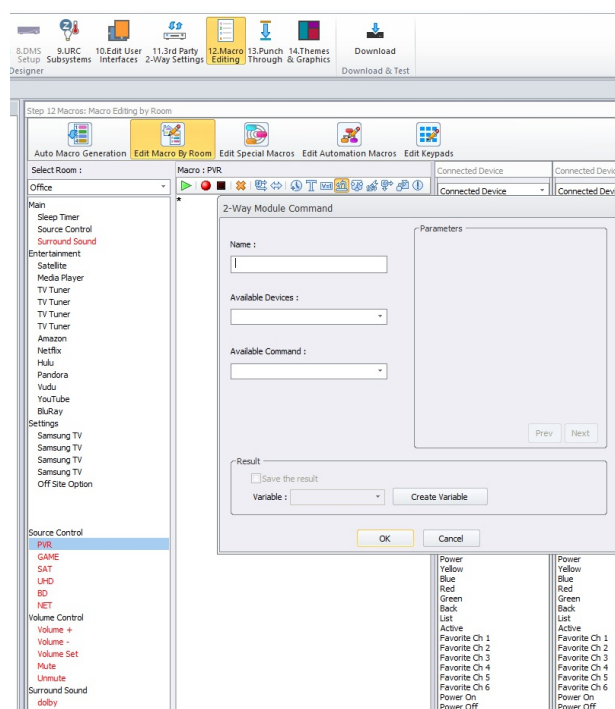
Ensure that system macros are generated for each instance of the driver by configuring **Program -> 12. Macro Editing** appropriately for your system.

Commands

The following commands can be used to control your Arcam AVR device:

- Display Brightness
- Simulate RC5 IR Command
- Set IMAX Enhanced
- Set Treble Equalisation
- Increment/Decrement Treble
- Set Bass Equalisation
- Increment/Decrement Bass
- Set Room Equalisation
- Set Dolby Volume
- Set Dolby Leveller
- Increment/Decrement Dolby Leveller
- Set Balance
- Increment/Decrement Balance
- Set Subwoofer Trim
- Increment/Decrement Subwoofer Trim
- Set Lipsync Delay
- Increment/Decrement Lipsync Delay
- Set Compression
- Set Sub Stereo Trim
- Increment/Decrement Sub Stereo Trim
- Set Zone 1 OSD
- Set Video Output Switching

To add a command to an existing macro select the **Two-way module command** button from the toolbar under **Program -> 12. Macro Editing:**



Give your command a name and select the appropriate command from **Available Command** - see above for the commands available for each model.

2-Way Module Command

Name :

Available Devices :

Available Command :

- Display Brightness
- Display Brightness
- Simulate RCS IR Command
- Set IMAX Enhanced
- Set Treble Equalisation
- Increment/Decrement Treble
- Set Bass Equalisation
- Increment/Decrement Bass
- Set Room Equalisation
- Set Dolby Volume
- Set Dolby Leveller
- Increment/Decrement Dolby Leveller
- Set Balance
- Increment/Decrement Balance
- Set Subwoofer Trim
- Increment/Decrement Subwoofer Trim
- Set Lipsync Delay
- Increment/Decrement Lipsync Delay
- Set Compression
- Set Sub Stereo Trim
- Increment/Decrement Sub Stereo Trim
- Set Zone 1 OSD
- Set Video Output Switching

Parameters

Status :

Zone :

Description :

Prev Next

Create Variable

OK Cancel

Finally, select **OK** to add to your macro.

Downloading the Driver

Once you have configured the driver using the steps provided above you can now download the revised system configuration to your URC base station.

User Interfaces

The driver package includes pre-designed interfaces for the following devices:

- TRC-820
- TRC-1080
- TDC-7100
- TKP-7500
- TKP-7600
- TKP-5500
- Apple iPhone
- Apple iPad
- Android Phone
- Android Tablet