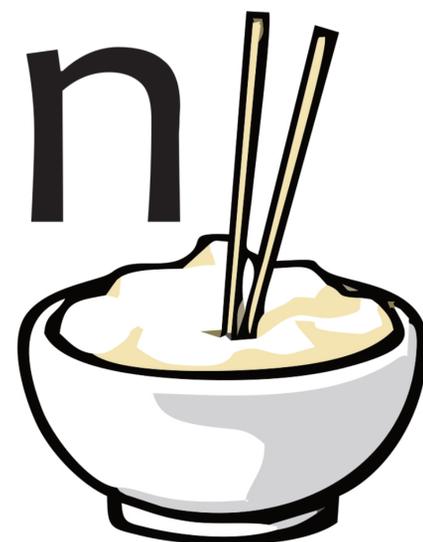


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Oppo Blu Ray Player Module

Installation and Usage Guide

oppo

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Overview

The Oppo BDP module can control all of the current Oppo Blu Ray model up to the UHD-205. The module provides full two way control including events for playback state, disc type, audio type, video resolution, aspect ratio, power state and subtitle state.

There are also two way commands for setting the resolution, zoom mode, volume and repeat modes as well as performing track searches, chapters searches and changing the HDR settings.

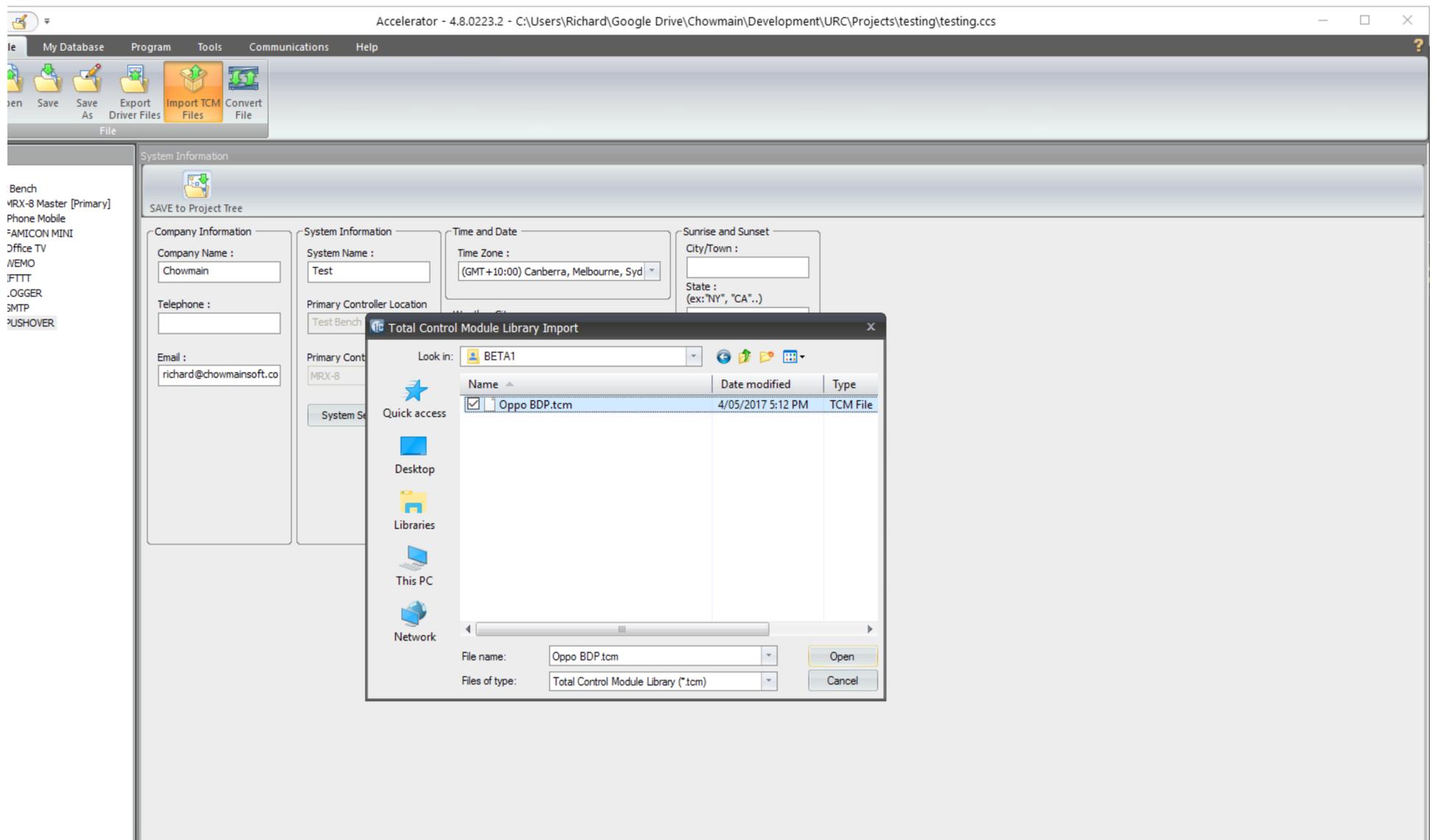
The module uses the built in URC GUI allowing you to lay out the screens to best suit the job and to integrate custom macros into the Blu ray control pages if desired.

Installation

1. Import the TCM in to accelerator

The zip file that included this documentation has the TCM file you will need to import. Go to the file menu, select import TCM Files and load the provided file.

(for more information check <http://www.urcontrolroom.com/tc/software/tools/tcm/start>)



2. Add the Oppo module to Accelerator

This module is designed to work with all of your IFTTT devices using a single module so you will only need to add it to one room.

Go to Step 4. Add Other Devices and Add Selected Modules.

Step 1 - select the room for the module

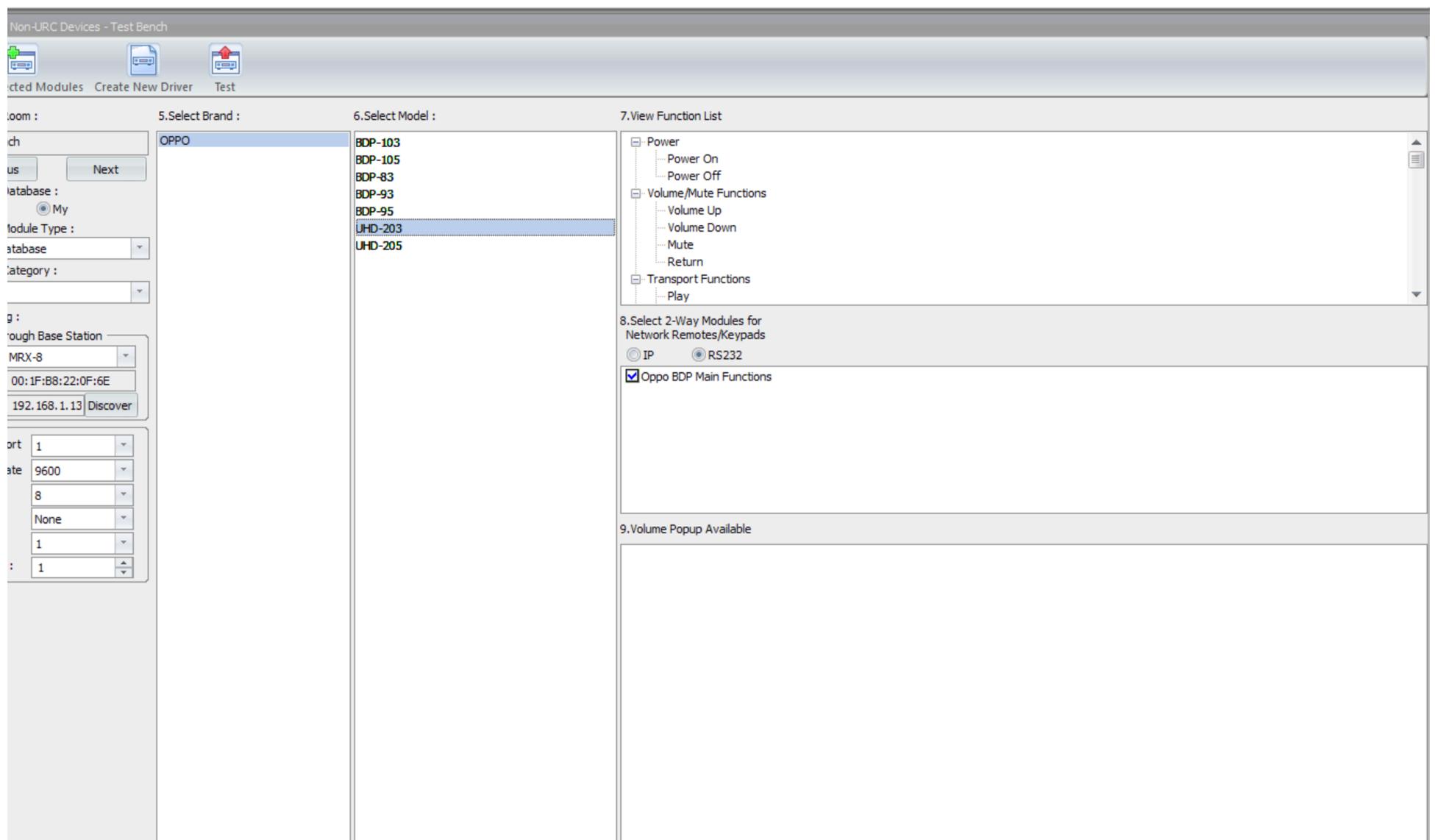
Step 2 - Select My

Step 3 - Select RS-232 Database

Step 4 - Select DVD

Step 5 - Select OPPO

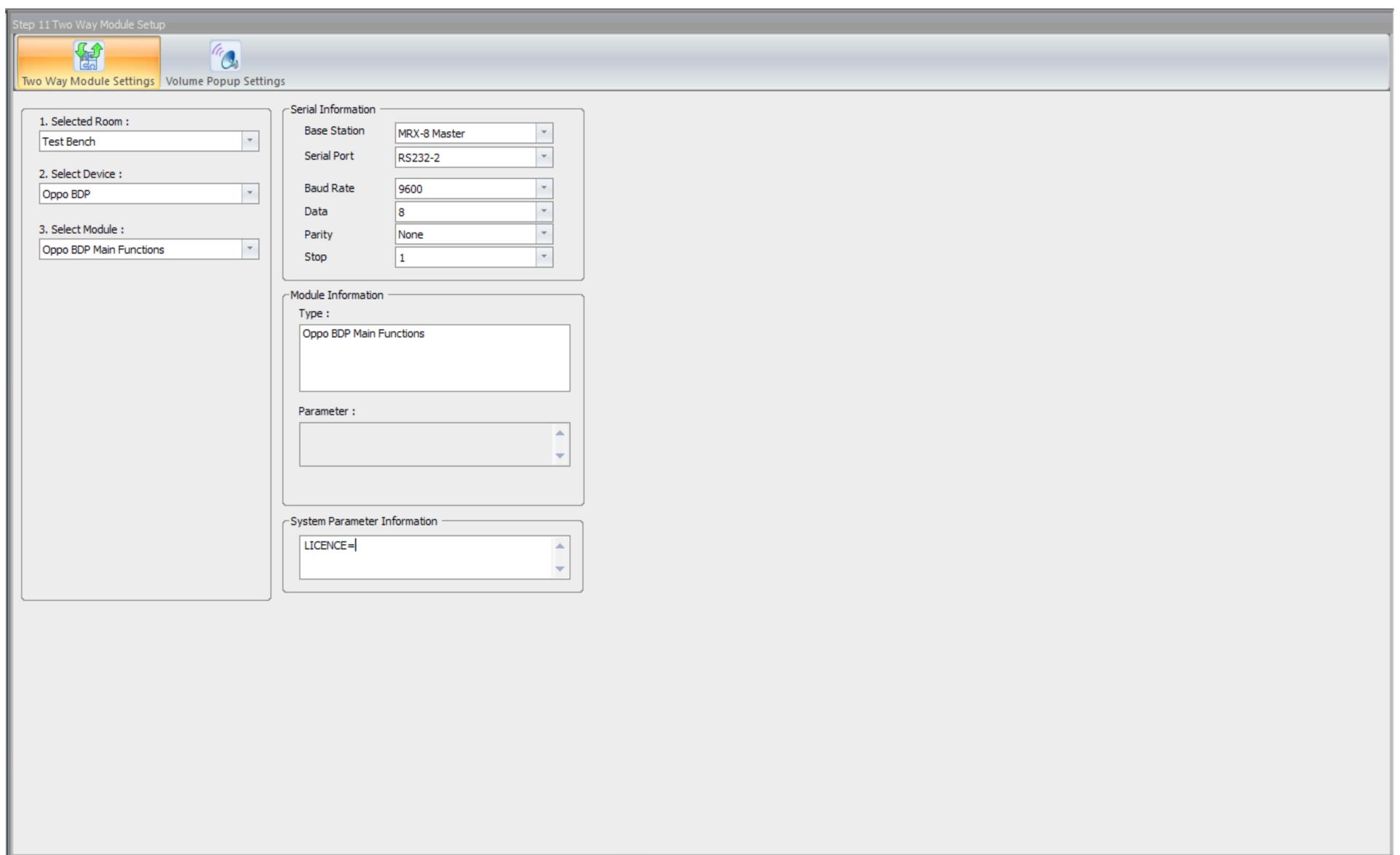
Step 6 - Select your model of BDP from the list



4. Add the licence code

The Oppo module needs a licence to work. To add the licence go to Step 11 in Accelerator and select the Two Way Module Settings option. In the system parameter Information box enter your licence code.

You will now need to setup the accounts required to use this module and enter those details once you have them in this parameters field.



Step 11 Two Way Module Setup

Two Way Module Settings | Volume Popup Settings

1. Selected Room :
Test Bench

2. Select Device :
Oppo BDP

3. Select Module :
Oppo BDP Main Functions

Serial Information

Base Station : MRX-8 Master

Serial Port : RS232-2

Baud Rate : 9600

Data : 8

Parity : None

Stop : 1

Module Information

Type :
Oppo BDP Main Functions

Parameter :

System Parameter Information

LICENCE=

System Parameters

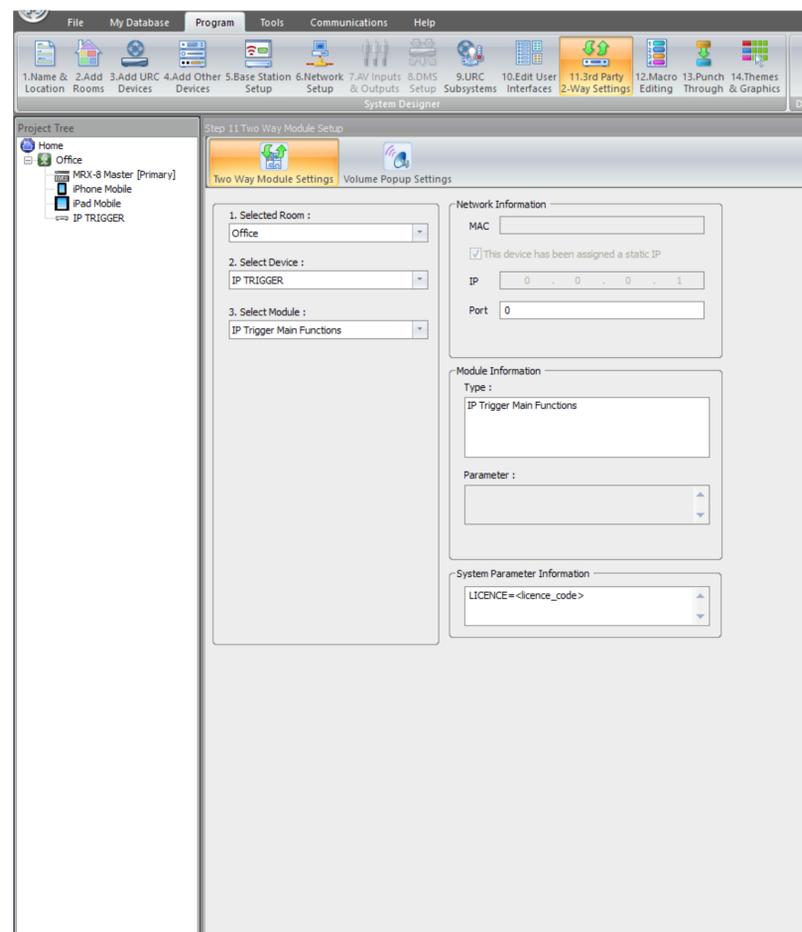
The Oppo module requires only a licence code to work. It also accepts one additional parameters that is used to enable the debugging mode.

All system parameters are entered in the following format

KEY=VALUE

The following table details the system parameters that work with this module.

KEY	PARAMETER
LICENCE	Licence code to register the driver
DEBUG	Puts the module in to it's debug mode



Debug

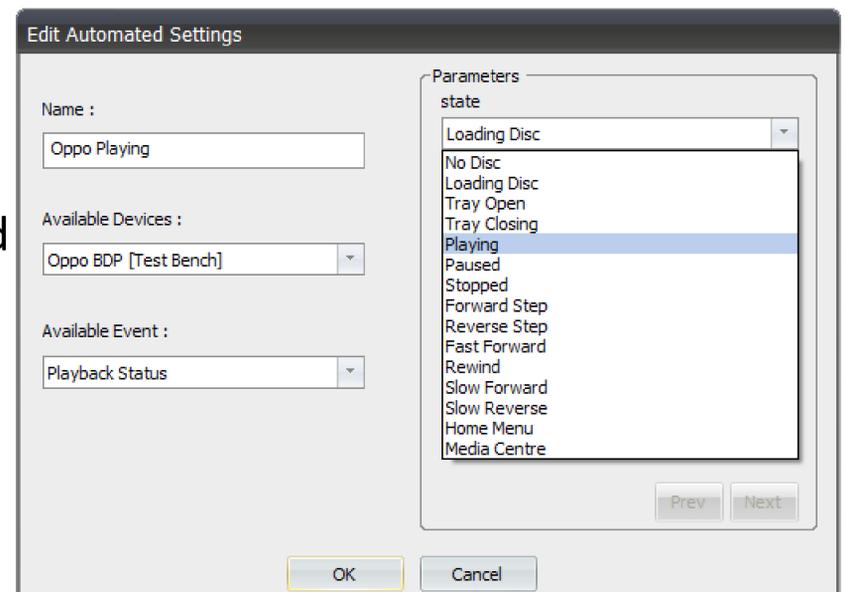
If the DEBUG parameter is present and set to ON (DEBUG=ON) then detailed log files will be written to the base station. The log files can be fetched by connecting to the base station with FTP and looking in the /Common/Oppo folder. This will cause additional load on the processor so it should be left off unless you are asked to turn it on.

Oppo Events

The Oppo module generates events in several different categories that can be used for sophisticated automation. There are events for the current state of the unit, the disc type, audio type, resolution, power state and subtitle.

Playback Status

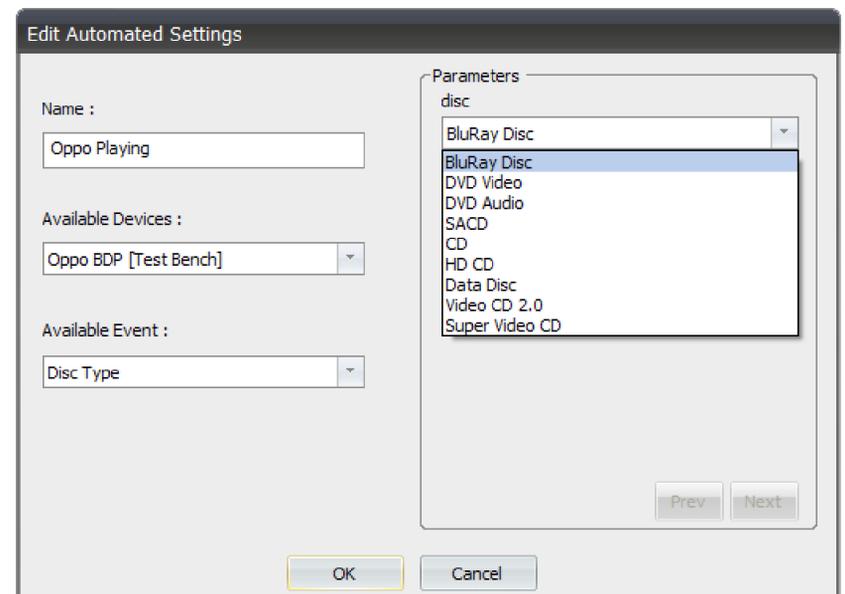
The playback status can be used to trigger events when a disc is loaded, playing starts or stops, when fast forward or rewind are engaged or even when the home menu or media centre app is running.



Disc Type

The Disc Type events can be used to automate your system based on the type of disc that is inserted.

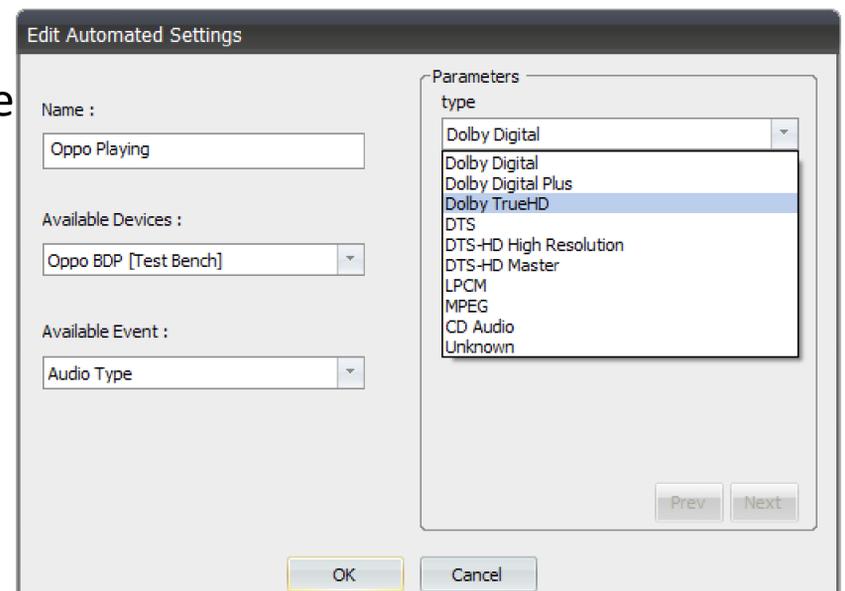
For example if a BluRay is inserted you could turn on the room ready to play the disc, but if a CD was inserted you may only turn on the Receiver and leave the display off.



Audio Type

The Audio Type events can be used to automate your system based the audio track that is used.

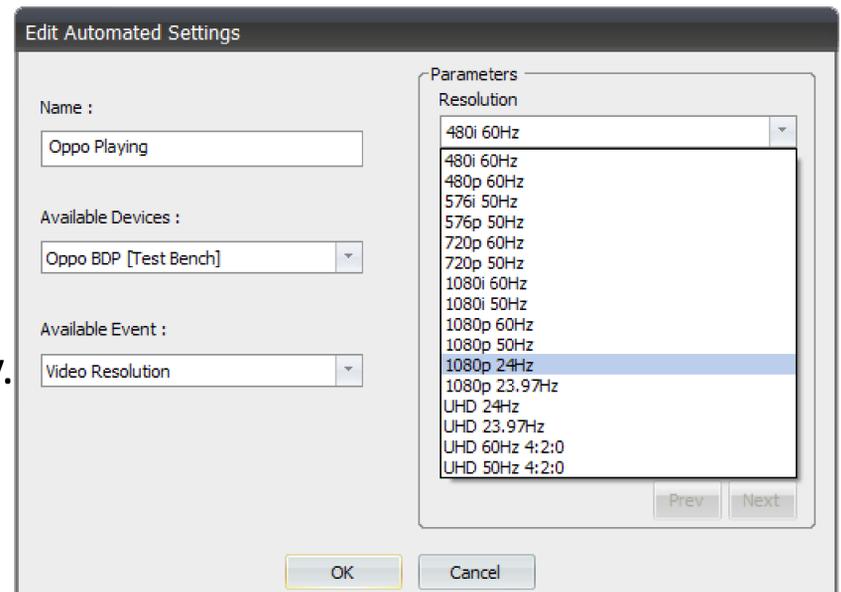
For example you might want to use the inbuilt DAC for a high quality stereo source but switch back to the digital outputs for watching a movie.



Resolution

The resolution events trigger based on the resolution of the source.

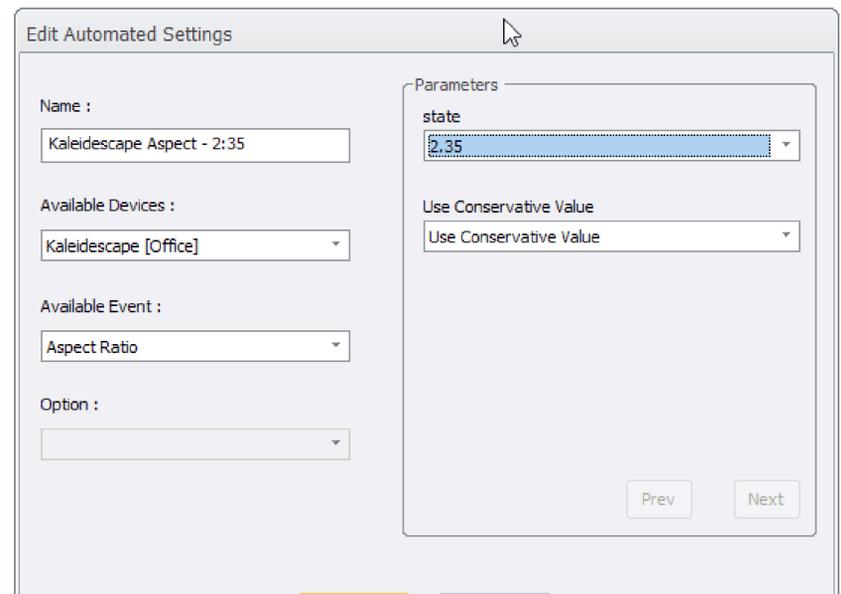
You can use this setting to modify your scaler settings or set your display device appropriately.



Aspect Ratio

The Aspect Ratio event will trigger when a disc is entered or the aspect ratio of the content changes (from a menu to main content for example).

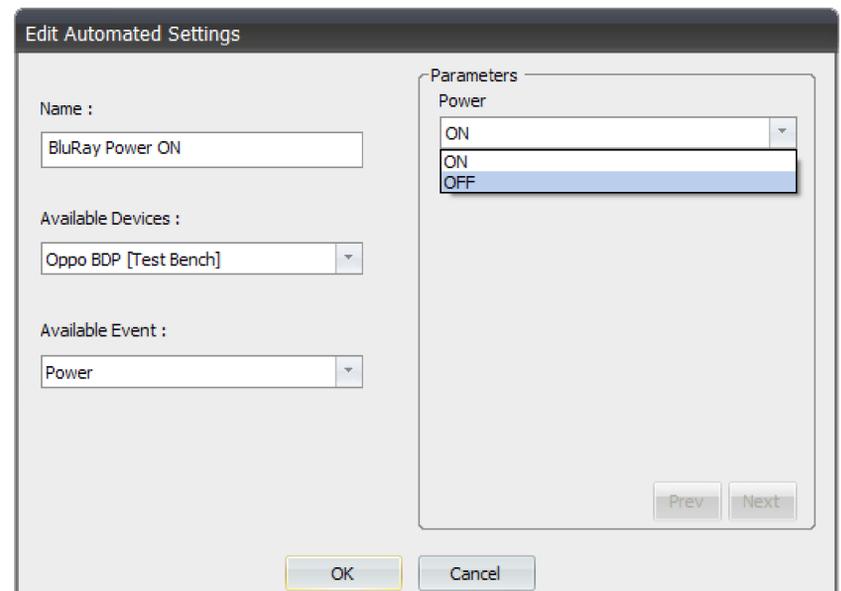
Note this information is contained on the disc so it depends how the disc was mastered.



Power

The power events can trigger when the Oppo is turned on or off.

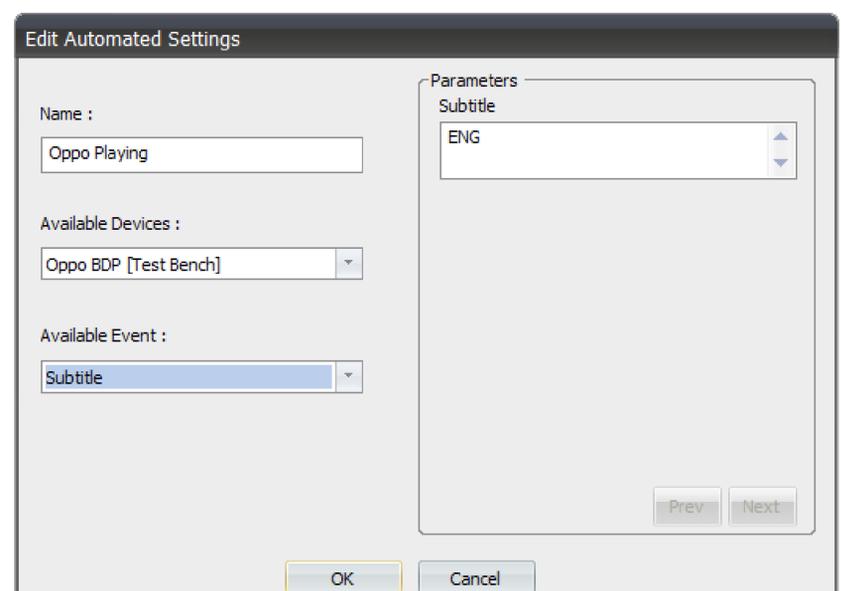
These events can be used to turn the room on or off automatically just by turning the BluRay player on or off.



Subtitle

The subtitle event is triggered whenever the subtitle changes to the one specified.

The subtitle languages need to be entered in using the ISO 3166 standard three letter country codes.



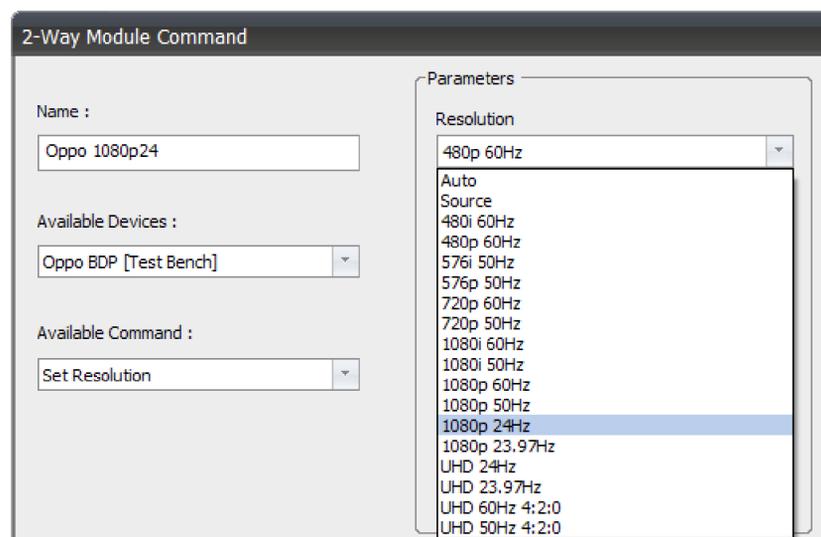
Oppo Two Way Commands

The Oppo module has several Two Way Commands available. The commands let you modify the resolution, zoom level, volume, repeat mode and HDR mode as well as skip to a specific chapter (for DVD's and Blu-Rays) or track (for CD's).

Set Resolution

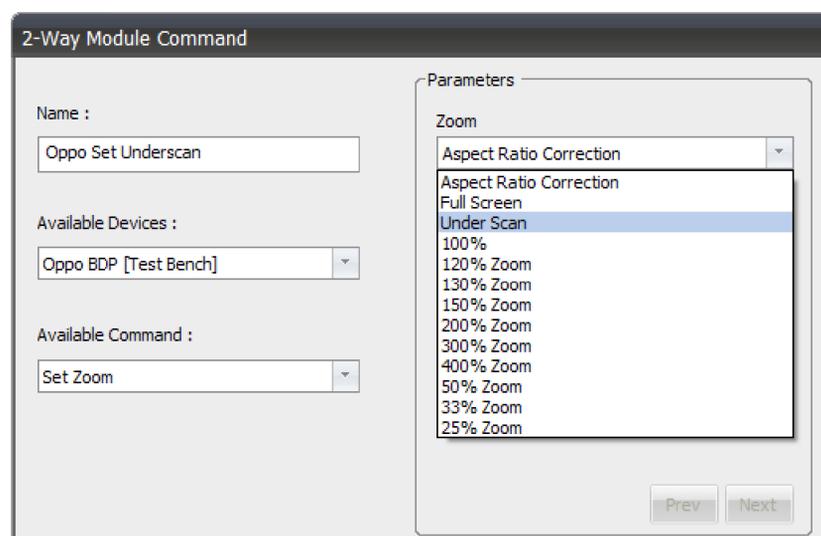
The output resolution can be set using this command.

NOTE: This command sets the output resolution to the display. The event (listed above) triggers based on the disc resolution.



Set Zoom Level

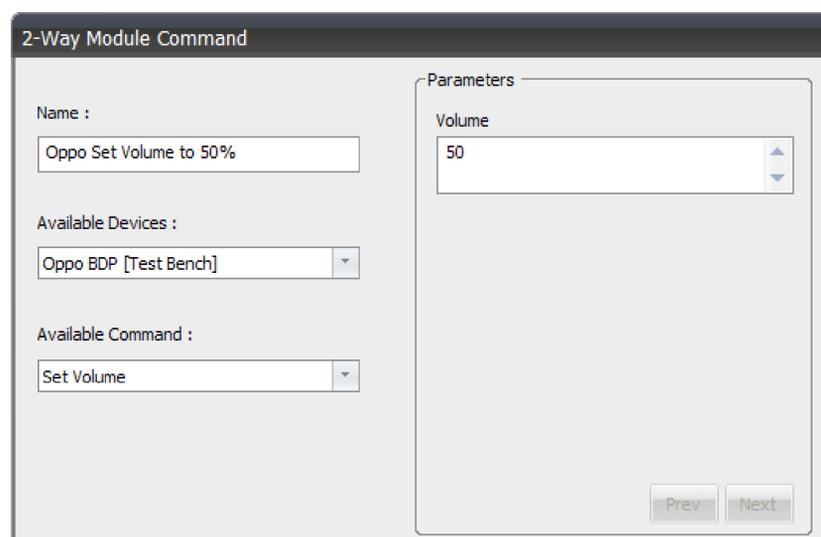
The zoom level can be set using this Two Way command. In addition setting a specific zoom level, Aspect Ration Correction, Full Screen and Under Scan can be selected.



Set Volume

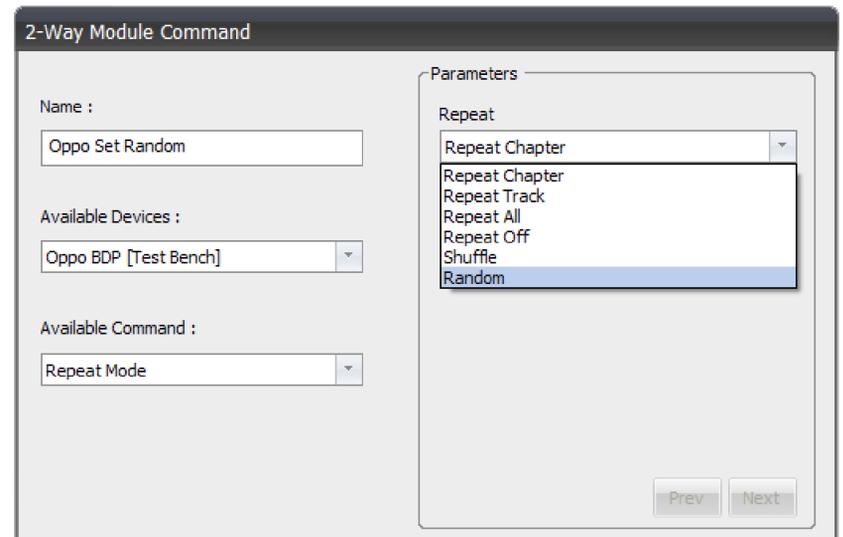
This Two Way Command can be used to set the volume of the Oppo Blu-ray player.

The value needs to be a number between 0 and 100.



Set Repeat Mode

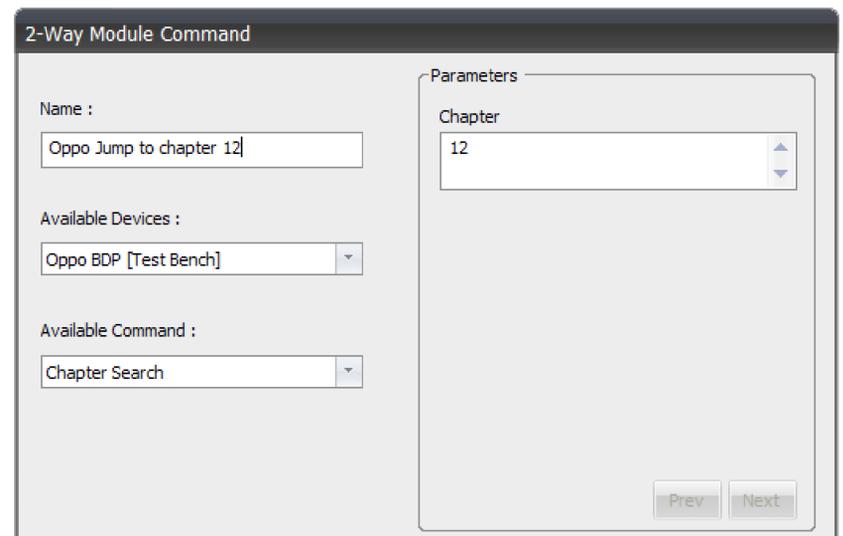
The Repeat mode Two Way Command lets you set the repeat mode for the disc you have playing. This command can also set the Shuffle and Random modes.



Track | Chapter Search

The Track and Chapter search Two Way Command allows you to jump directly to the specified track (for CD's) or chapter (for Blu-ray and DVD's).

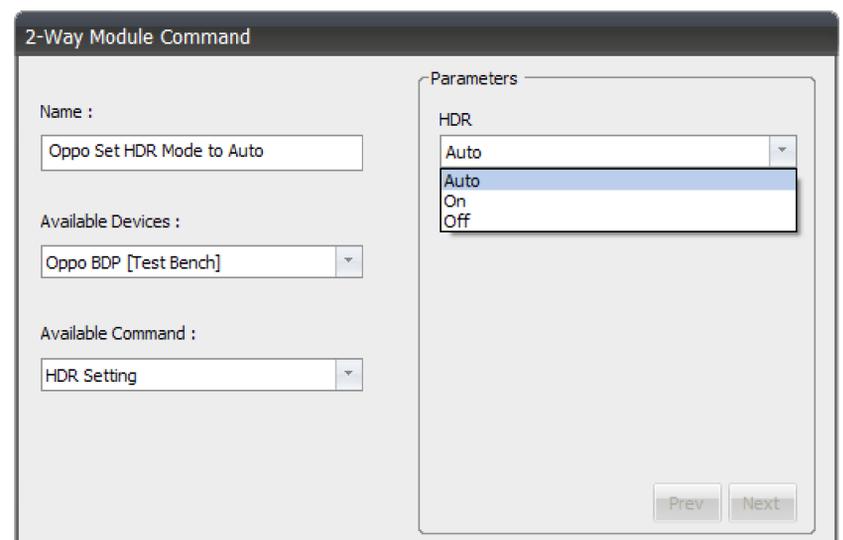
The track or chapter you enter needs to be a number.



Set High Dynamic Range

This Two Way Command can be used to change the High Dynamic Range setting of the Oppo BluRay Player.

It can be forced on or off or set to Auto to let the player decide the correct mode.



Changelog

Version 0.1 - 2017-04-07

- Beta test release

Version 0.2 - 2017-04-18

- Second Beta Test release

Version 20171219

- Added aspect ratio event