



Sony Bravia Display Plugin

This is a plugin repo for Sony Bravia Displays. At this time the plugin only supports RS232 control.

[Sony Bravia Display - RS232 API](#)

RS232 Specification

Verify the RS232 via Serial Connection control is enabled. In testing, it was found the unit defaulted to RS232 via HDMI.

Property	Value
Baudrate	9,600
Data Bits	8
Parity	N/A
Start Bits	1
Stop Bits	1
Flow Control	N/A

Essentials RS232 Device Configuration

```
{
  "key": "display-1",
  "name": "Display",
  "type": "sonybravia",
  "group": "display",
  "properties": {
    "control": {
      "method": "comm",
      "controlPortDevKey": "processor",
      "controlPortNumber": 1,
      "comParams": {
        "protocol": "RS232",
        "baudRate": 9600,
        "dataBits": 8,
        "stopBits": 1,
        "parity": "None",
        "softwareHandshake": "None",
        "hardwareHandshake": "None",
        "pacing": 0
      }
    }
  }
}
```

```
}  
}
```

Simple IP Specification

Property	Value
Port	20060

Essentials Simple IP Device Configuration

At this time Simple IP control has not been implemented.

```
{  
  "key": "display-1",  
  "name": "Display",  
  "type": "sonybravia",  
  "group": "display",  
  "properties": {  
    "control": {  
      "method": "tcpip",  
      "tcpSshProperties": {  
        "address": "",  
        "port": 20060,  
        "username": "",  
        "password": "",  
        "autoReconnect": true,  
        "autoReconnectIntervalMs": 10000  
      }  
    }  
  }  
}
```

Device Bridging

Essentials Device Bridge Configuration

```
{  
  "key": "plugin-bridge1",  
  "uid": 39,  
  "name": "Plugin Bridge",  
  "group": "api",  
  "type": "eiscApiAdvanced",  
  "properties": {  
    "control": {  
      "tcpSshProperties": {  
        "address": "127.0.0.2",  
        "port": 0  
      }  
    }  
  }  
}
```

```
    },
    "ipid": "B2",
    "method": "ipidTcp"
  },
  "devices": [
    {
      "deviceKey": "display-1",
      "joinStart": 1
    }
  ]
}
```

Essentials Bridge Join Map

The join map below documents the commands implemented in this plugin.

Digitals

Input	I/O	Output
Power Off	1	Power Off Fb
Power On	2	Power On Fb
	3	Is Two Display Fb
Input 1 Select [HDMI 1]	11	Input 1 Fb [HDMI 1]
Input 2 Select [HDMI 2]	12	Input 2 Fb [HDMI 2]
Input 3 Select [HDMI 3]	13	Input 3 Fb [HDMI 3]
Input 4 Select [HDMI 4]	14	Input 4 Fb [HDMI 4]
Input 5 Select [HDMI 5]	15	Input 5 Fb [HDMI 5]
Input 6 Select [PC]	16	Input 6 Fb [PC]
Input 7 Select [Video 1]	17	Input 7 Fb [Video 1]
Input 8 Select [Video 2]	18	Input 8 Fb [Video 2]
Input 9 Select [Video 3]	19	Input 9 Fb [video 3]
Input 10 Select [Component 3]	20	Input 10 Fb [Component 1]
	40	Button 1 Visibility Fb
	41	Button 2 Visibility Fb
	42	Button 3 Visibility Fb
	43	Button 4 Visibility Fb
	44	Button 5 Visibility Fb

Input	I/O	Output
	45	Button 6 Visibility Fb
	46	Button 7 Visibility Fb
	47	Button 8 Visibility Fb
	48	Button 9 Visibility Fb
	49	Button 10 Visibility Fb
	50	Display Online Fb

Analogs

Input	I/O	Output
Input Number Select [1-10]	11	Input Number Fb [1-10]

Serials

Input	I/O	Output
1		Display Name
11		Input 1 Name [HDMI 1]
12		Input 2 Name [HDMI 2]
13		Input 3 Name [HDMI 3]
14		Input 4 Name [HDMI 4]
15		Input 5 Name [HDMI 5]
16		Input 6 Name [PC]
17		Input 7 Name [Video 1]
18		Input 8 Name [Video 2]
19		Input 9 Name [Video 3]
20		Input 10 Name [Component 1]

DEVJSON Commands

When using DEVJSON commands update the program index `devjson:{programIndex}` and `deviceKey` values to match the testing environment.

```
devjson:1 {"deviceKey":"display-1", "methodName":"PowerOn", "params":[]}  
devjson:1 {"deviceKey":"display-1", "methodName":"PowerOff", "params":[]}  
devjson:1 {"deviceKey":"display-1", "methodName":"PowerToggle", "params":[]}  
devjson:1 {"deviceKey":"display-1", "methodName":"PowerPoll", "params":[]}
```

```
devjson:1 {"deviceKey":"display-1", "methodName":"InputHdmi1", "params":[]}  
devjson:1 {"deviceKey":"display-1", "methodName":"InputHdmi2", "params":[]}  
devjson:1 {"deviceKey":"display-1", "methodName":"InputHdmi3", "params":[]}  
devjson:1 {"deviceKey":"display-1", "methodName":"InputHdmi4", "params":[]}  
devjson:1 {"deviceKey":"display-1", "methodName":"InputHdmi5", "params":[]}  
devjson:1 {"deviceKey":"display-1", "methodName":"InputVideo1", "params":[]}  
devjson:1 {"deviceKey":"display-1", "methodName":"InputVideo2", "params":[]}  
devjson:1 {"deviceKey":"display-1", "methodName":"InputVideo3", "params":[]}  
devjson:1 {"deviceKey":"display-1", "methodName":"InputComponent1", "params":[]}  
devjson:1 {"deviceKey":"display-1", "methodName":"InputComponent2", "params":[]}  
devjson:1 {"deviceKey":"display-1", "methodName":"InputComponent3", "params":[]}  
devjson:1 {"deviceKey":"display-1", "methodName":"InputVga1", "params":[]}  
devjson:1 {"deviceKey":"display-1", "methodName":"InputPoll", "params":[]}
```