

Audioflow Network API v2-0

There are currently three models of Audioflow Switch:

- **3S-2Z** – 2 Way Stereo Speaker Switch
- **3S-3Z** – 3 Way Stereo Speaker Switch
- **3S-4Z** – 4 Way Stereo Speaker Switch

GET /switch

Get switch name, model and serial number

`http://audioflow/switch`

- **Supported in all firmware versions**
- **Field displayed from v1.10.000037 onwards**

➤ Returns:

```
{  
  "name": "My Switch",  
  "model": "3S-4Z",  
  "serial": "00000000",  
  "version": "1.01.000037",  
  "wifi": "MYSSID [11] (-7dBm)",  
  "alexa": false,  
  "exclusive": true  
}
```

GET /zones/**N**

Set zone **N** (1 – 4) state

`http://audioflow/zones/1`

`http://audioflow/zones/2`

`http://audioflow/zones/3`

`http://audioflow/zones/4`

- **Supported from v1.10.000035 onwards**

N = 1 for Zone A · **N** = 2 for Zone B · **N** = 3 for Zone C · **N** = 4 for Zone D

➤ Returns:

```
{  
  "id": 1,  
  "name": "Zone Name",  
  "enabled": 1,  
  "state": "off"  
}
```

GET /zones Get all zone names and states
<http://audioflow/zones>

- Supported in all firmware versions

➤ Returns:

```
{  
  "zones": [  
    {  
      "id": "0",  
      "name": "Kitchen",  
      "enabled": 1,  
      "state": "on"  
    },  
    {  
      "id": "1",  
      "name": "Lounge",  
      "enabled": 0,  
      "state": "off"  
    },  
    {  
      "id": "2",  
      "name": "Study",  
      "enabled": 1,  
      "state": "off"  
    },  
    {  
      "id": "3",  
      "name": "Pool",  
      "enabled": 1,  
      "state": "on"  
    }  
  ]  
}
```

GET /reboot_now Reboot Audioflow Switch (check for Firmware Update)
http://audioflow/reboot_now

- Supported from v1.10.000035 onwards

➤ Returns the message: Rebooting now

PUT /switch Set switch name
<http://audioflow/switch>

- **Supported in all firmware versions**

Payload contains new name for the switch in plain ASCII, max 15 characters.

➤ Returns the new switch name

PUT /zones Set all the zone states in one go
<http://audioflow/zones>

- **Supported in all firmware versions**

Payload contains 4 space separated digits corresponding to each zone, where 0 = OFF and 1 = ON.

For example:

0 1 1 0 Set zones A and D OFF, B and C ON

➤ Returns output of GET /zones

PUT /zones/N**** Set zone **N** (1 – 4) state
<http://audioflow/zones/1>
<http://audioflow/zones/2>
<http://audioflow/zones/3>
<http://audioflow/zones/4>

- **Supported in all firmware versions**
- **Supported from v1.10.000035 onwards**

N = 1 for Zone A · **N** = 2 for Zone B · **N** = 3 for Zone C · **N** = 4 for Zone D

Payload contains 1 character, where 0 = set OFF, 1 = set ON and T = set TOGGLE.

For example:

1 Set the zone in the URL on

➤ Returns output of GET /zones

PUT /zonename/N Set zone N (1 – 4) name and enabled state

<http://audioflow/zonename/1>

<http://audioflow/zonename/2>

<http://audioflow/zonename/3>

<http://audioflow/zonename/4>

- Supported in all firmware versions

N = 1 for Zone A · **N** = 2 for Zone B · **N** = 3 for Zone C · **N** = 4 for Zone D

Payload contains a leading digit, where 0 = zone disabled and 1 = zone enabled. This is followed by the new name for the zone (with no delimiter).

For example:

1Lounge Enable the zone and rename to *Lounge*

- Returns output of GET /zones

PUT /exclusive Set Exclusive Mode (one zone at a time operation)

<http://audioflow/exclusive>

- Supported from v1.10.000035 onwards

Payload is either ‘enable’ or ‘disable’.

For example:

enable Enable exclusive mode

- Returns exclusive state either ‘enabled’ or ‘disabled’

Switch Discovery

To discover Audioflow switches on the local network send a UDP broadcast on port 10499 containing the payload “afping” i.e.

0x61 0x66 0x70 0x69 0x6E 0x67

Listen for UDP responses on port 10499 containing the payload:

# Bytes	Field	Example
6	Magic number “afpong”	0x61 0x66 0x70 0x6F 0x6E 0x67
8	Model	“3S-4Z” 0x00
16	Serial number	“00000000” 0x00