

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