
Timeflux BrainFlow

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CONTENTS

1	Installation	3
1.1	API Reference	3
	Python Module Index	5
	Index	7

This plugin provides a unified interface for all boards supported by [BrainFlow](#).

INSTALLATION

First, make sure that `Timeflux` is installed.

You can then install this plugin in the *timeflux* environment:

```
$ conda activate timeflux
$ pip install timeflux_brainflow
```

1.1 API Reference

This page contains auto-generated API reference documentation.

timeflux_brainflow

1.1.1 timeflux_brainflow

timeflux_brainflow.nodes

nodes

timeflux_brainflow.nodes.driver

driver

```
class timeflux_brainflow.nodes.driver.BrainFlow(board, channels=None, command=None,
                                                debug=False, **kwargs)
```

Bases: `timeflux.core.node.Node`

Driver for BrainFlow.

This plugin provides a unified interface for all boards supported by BrainFlow.

Variables `o` (`Port`) – Default output, provides DataFrame.

Parameters

- **board** (*string/int*) – The board ID. Allowed values: numeric ID or name (e.g. synthetic, cyton_wifi, brainbit, etc.).
- **channels** (*list*) – The EEG channel labels. If not set, incrementing numbers will be used.
- **command** (*string*) – Send a command to the board. Use it carefully and only if you understand what you are doing.
- **debug** (*boolean*) – Print debug messages.
- ****kwargs** – The parameters specific for each board. Allowed arguments: serial_port, mac_address, ip_address, ip_port, ip_protocol, serial_number, other_info.

See also:

List of [supported boards](#).

Example

```
graphs:
- id: Synthetic
  nodes:
  - id: acquire
    module: timeflux_brainflow.nodes.driver
    class: BrainFlow
    params:
      board: synthetic
  - id: display
    module: timeflux.nodes.debug
    class: Display
  edges:
  - source: acquire
    target: display
  rate: 10
```

Instantiate the node.

update(*self*)

Update the input and output ports.

terminate(*self*)

Perform cleanup upon termination.

PYTHON MODULE INDEX

t

`timeflux_brainflow`, 3

`timeflux_brainflow.nodes`, 3

`timeflux_brainflow.nodes.driver`, 3

INDEX

B

`BrainFlow` (*class in timeflux_brainflow.nodes.driver*), 3

M

module

`timeflux_brainflow`, 3

`timeflux_brainflow.nodes`, 3

`timeflux_brainflow.nodes.driver`, 3

T

`terminate()` (*timeflux_brainflow.nodes.driver.BrainFlow*
 method), 4

`timeflux_brainflow`

 module, 3

`timeflux_brainflow.nodes`

 module, 3

`timeflux_brainflow.nodes.driver`

 module, 3

U

`update()` (*timeflux_brainflow.nodes.driver.BrainFlow*
 method), 4