
NarrowBand Documentation

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This is an easy-to-use library for Narrowband IoT applications.

It communicates via UART with your target device.

It simplifies the setup and use, you don't have to manually send AT commands.

For beginners, use the Narrowband class with it's pre-defined methods. If you want more freedom, feel free to check out the NarrowbandCore class.

1.1 NarrowBand

class NarrowBand

set_cdp (*hostname*)

Parameters **hostname** (*str*) – Your CDP hostname

Disables the module functionality, sets your CDP and re-enables it.

set_apn (*apn*)

Parameters **apn** (*str*) – Your APN hostname

Sets your APN.

attach ()

Enables and tracks the signalling connection, network registration and attachment status. Loops and waits until connection to NB-IoT network succeeds.

send_udp (*remote_addr*, *remote_port*, *data*)

Parameters

- **remote_addr** (*str*) – Remote address to receive data at
- **remote_port** (*str*) – Remote port to receive data at
- **data** (*str*) – Data to send

Auto-converts the string data to a proper ByteArray and sends it via UDP to the given IP address.

1.2 NarrowBandCore

```
class NarrowBandCore
    coming soon...
```

2.1 First Steps

First you should try to connect to your board and auto-attach to the NB network. If this step succeeds, continue below.

2.1.1 Auto Connect

If you use a supported board, the lib will auto-detect it:

```
import narrowband

nb = narrowband.Narrowband()
nb.attach()
while 1:
    time.sleep(1)
```

2.1.2 Manual Connect

For any other, defined the device and it's values (port, baudrate and timeout):

```
import narrowband

nb = narrowband.Narrowband("COM1", 9600, 1)
nb.attach()
while 1:
    time.sleep(1)
```

2.2 Further Steps

2.2.1 Send UDP Data

todo...

CHAPTER 3

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