
buttshock-py Documentation

Release 0.2.2

The Buttshock Project

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CHAPTER 1

buttshock-py Library Overview

ET312 Base Module Reference

class `buttshock.et312.base.ET312Base` (*key=None*)

Bases: `object`

Base class for ET-312 communication. Should be inherited by other classes that implement specific communication types, such as RS-232.

change_baud_rate (*rate*)

get_baud_rate ()

get_current_mode ()

Get the current mode/pattern the box is running.

perform_handshake ()

Performs the handshake and key exchange routine expected on box connection.

Throws exception on connection issues, which can happen frequently with ET312 Firmware Versions 1.6 and below.

read (*address*)

Read a byte from memory at the address given. Address corresponds to the table in the serial protocol documentation.

reset_key ()

write (*address, data, skip_receive=False*)

Write 1-8 bytes to memory at the address given. Address corresponds to the table in the serial protocol documentation.

ET312 Comm Module Reference

class buttshock.et312.comm.**ET312SerialSync** (*port, key=None, shift_baud_rate=False*)

Bases: *buttshock.et312.base.ET312Base*

Synchronous serial implementation of Buttshock ET-312 protocol. All read/write calls will block. You have been warned.

If you are looking to talk directly to the box, use this. At least, until there's an async one. If there is now and I forgot to update this comment, use that.

close ()

Close port.

ET312 Emulator Module Reference

class buttshock.et312.emulator.**ET312Emulator**

Bases: object

command (*data*)

read (*length*)

class buttshock.et312.emulator.**ET312EmulatorSync** (*port=None, key=None, shift_baud_rate=False*)

Bases: *buttshock.et312.comm.ET312SerialSync*

class buttshock.et312.emulator.**ET312SerialEmulator**

Bases: object

close ()

read (*length*)

write (*data*)

CHAPTER 3

Erostek ET232 Usage

Estim System 2B Usage

butts shock-py is a Python implementation of control protocols for the following electrostim devices:

- Erostek ET-312 Electrostimulation Device
- Erostek ET-232 Electrostimulation Device
- Estim Systems 2B Electrostimulation Device

butts shock-py provides serial communication features, as well as simplified emulators for testing functionality against software if hardware is not available.

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