



Connecting things to USB
MONOSTICK

We have released a successor model . It comes with a dedicated case and a high-output type has been added. We do not recommend the previous model for new installations. We will continue to sell



TWELITE STICK >

Monostick

MONOSTICK This is a USB dongle with a circuit board antenna and USB connector. It connects to a PC or single-board computer via USB and operates as a master unit. It can also function as a relay unit on its own. Twilight TWELITE Twilight TWELITE Twilight TWELITE

Standard output BLUE



Product name: MONOSTICK

Model number: MONOSTICK-B

JAN: 4589512170396

Transmission output



Standard output



High output

antenna



Circuit board antenna

High-output RED



Product name: MONOSTICK

Model number: MONOSTICK-R

JAN: 4589512170402

Transmission output



Standard output



High output

antenna



Circuit board antenna



Initial app



APP_Wings

Initial app



APP_Wings



Brochure



data sheet

▶ Discontinued product



Outline

Use your PC as the main unit, or as a standalone repeater.

^{Monostick} MONOSTICK This device has a USB interface added to it ^{Twilight} TWELITE

^{Twilight} TWELITE This allows serial communication between a PC, board PC, etc., via a USB connection.

It can be operated using applications on a PC or all-in-one PC , and sensor data can be collected wirelessly. ^{Twilight} TWELITE

It can also be used as a compact ^{Monostick} repeater. MONOSTICK

You can choose between a standard output type (1mW class) and a high-output type (10mW class) with even better range . The high-output type also offers improved reception performance. ^{blue} BLUE
^{Red} RED ^{Red} RED



When rewriting the app, please select the appropriate file for each modification. The binaries are not shared. ^{blue} BLUE ^{Red} RED

▶ To make it happen





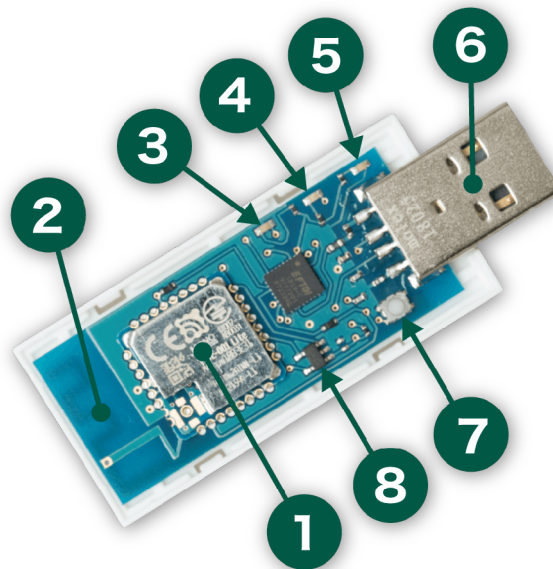
► Features



► Outline drawing



Explanation of each part



① TWELITE

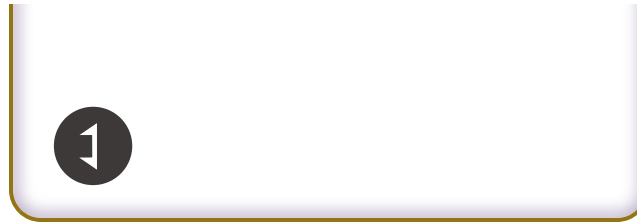
Twilight

TWELITE This is a wireless microcontroller that reads sensor values and sends and receives data wirelessly.

② Circuit board antenna

Direction of radiation





The arrow on the antenna direction mark ① indicates the vertical direction (up and down).

A printed antenna is constructed on the circuit board.

The antenna's sensitivity is maximized when it is positioned vertically as shown below.

Installing the antenna in a high location will improve the communication environment. Obstacles between the antenna and the receiver will worsen the communication environment. If necessary, use a USB extension cable to install the antenna in the optimal location.



How to install an antenna >

③ LED Red

Twilight

TWELITE It is connected to digital output 1 (DO1). It can be turned on and off by control from the other terminal.



actual hardware connection is to the red LED (DIO16).

④ LED yellow

Twilight
TWELITE It is connected to PWM output 3 (PWM3). It can be turned on and off by control from the other terminal.

⑤ LED Green

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MONOSTICK When you connect it to a USB port and power it on, it will light up green.

⑥ USB connector

This is a connector for connecting to a computer or other device. The connector type is USB Type-A.

⑦ Reset switch

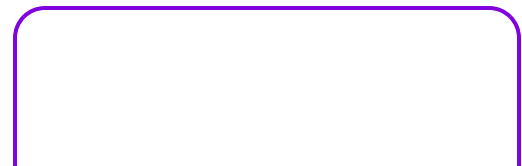
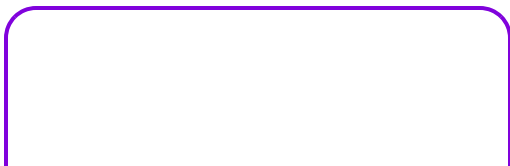
Twilight
TWELITE This is a reset switch. Press and release the switch to reset it.

⑧ WDT (Watchdog Timer)

The watchdog timer (WDT) monitors the operation of the built-in microcontroller and attempts to recover by resetting if a malfunction is detected. This helps ensure stable operation over the long term and contributes to the construction of a robust system.

Connection example

The USB connector used to connect devices is a Type A male connector. When connecting to a device, please use a conversion connector or cable as needed.
Monostick
MONOSTICK





Used as a relay device

^{Monostick}
MONOSTICK When used as a relay device, it can operate independently by supplying power via the USB connector.



► Device driver installation



► Main unit/repeater app



Online Manual

data sheet

Main unit/repeater app

TWELITE STAGE APP



installed at the time of shipment.

(firmware) and viewing the execution results.

[data sheet >](#)

[manual >](#)

[manual >](#)

TWELITE WINGS API

This interprets the format string output by App_Wings and configures commands for App_Wings.

[manual >](#)

Frequently Asked Questions (FAQ)

For frequently asked questions from our customers and their answers, please see our "Frequently Asked Questions" section.



retailers

Monowireless products can be purchased at physical stores or online.

This product is available for immediate purchase through online retailers.



< TWELITE ARIA 前

次 TWELITE R3 >