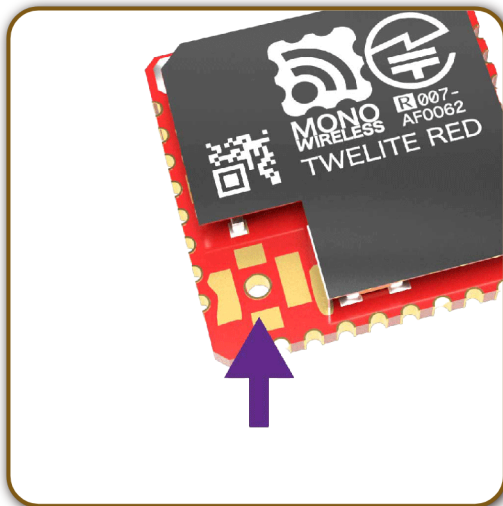




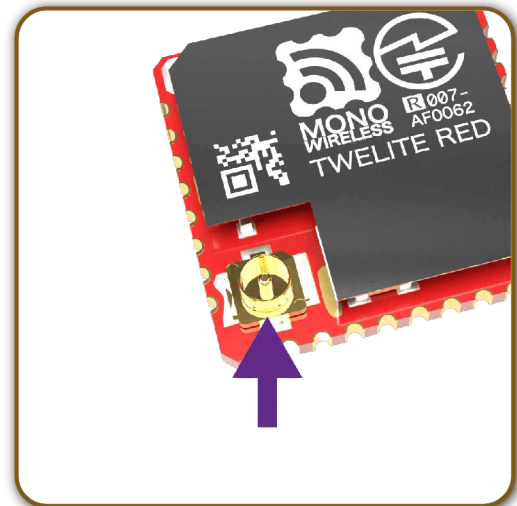
Thin antenna



This antenna connects to the coaxial connector of the TWELITE antenna.



Through-hole



Coaxial connector



the antenna connection terminal.  It cannot be connected to the TWELITE-Twilight with a through-hole connector.

A slim antenna is suitable for the following situations:

- When you don't want the antenna to protrude outside the case
- When wire antennas or circuit board antennas do not perform optimally inside the case.



If the case is made of metal, the antenna will not perform optimally. If using a metal case, please install [the dipole antenna outside the case.](#)

MW-A-P1447

It is used by attaching it to the inside of a plastic case.



Product Name: Slim Antenna

Model Number: MW-A-P1447-10

JAN: 4589512171195



Antenna type	Hentena
Antenna size	14.5 mm x 47 mm x 1.0 t
weight	Approximately 2.0 g
connector	UFL type
gain	2.95 dBi
Beam width (half-power angle)	E side approx. 110 degrees, H side approx. 100 degrees
Cable length	100 mm

[data sheet](#)

Direction of radio waves

The MW-A-P1447 is a directional antenna with the following characteristics:

- Feature 1: When installed horizontally, it emits longitudinal waves (vertical polarization).
→ This allows the antenna height to be kept low.
- Feature 2: When receiving, the radio waves are radiated not uniformly in all directions, but forward and backward, and not to the sides. When receiving, the sensitivity is excellent in the forward and backward directions, and low on the sides.
→ Does not radiate radio waves in unnecessary directions. Does not receive radio waves from unnecessary directions.

Direction of radio waves



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

Directional (high-gain) antenna >

Implementation example

The antenna has double-sided tape attached to the back so that it can be attached to the inside of a plastic case.

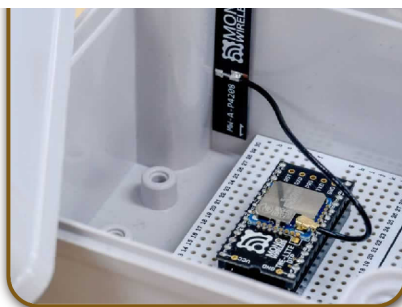


Example of use: Remote control

Compared to the MW-A-P4208, the height of the equipment can be reduced.



MW-A-P1447 (Height 14mm)



MW-A-P4208 (height 42.5mm)

MW-A-P4208

It is used by attaching it to the inside of a plastic case.



Product Name: Slim Antenna

Model Number: MW-A-P4208-10

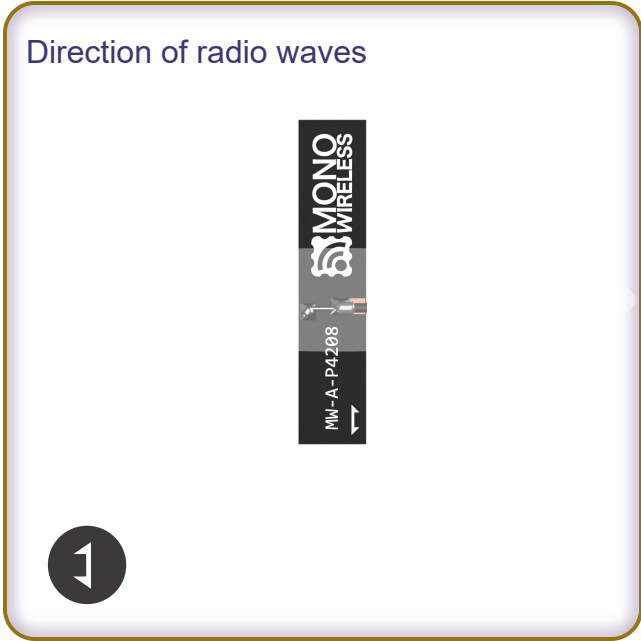
JAN: 4589512170082



Antenna size	42.5 mm x 8.75 mm x 1.0 t
weight	Approximately 1.4g
connector	UFL type
gain	2.00 dBi
Cable length	100 mm

 [data sheet](#)

Direction of radio waves



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

It can be placed in a small space and delivers high performance.

This is a compact, high-performance dipole antenna. Despite its small size and slim profile, its performance comes very close to the ideal for a dipole antenna.



The antenna has double-sided tape attached to the back so that it can be attached to the inside of a plastic case.



i TWE-AN-P4208 and MW-A-P4208 are identical in specifications, differing only in the color of the circuit board and the silkscreen markings.

MW-A-P2010

It is used by attaching it to the inside of a plastic case.





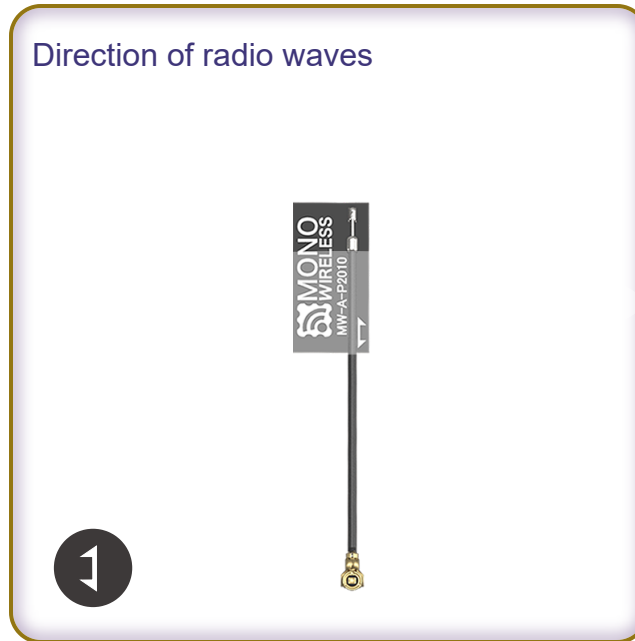
Product Name: Slim Antenna
Model Number: MW-A-P2010-05
JAN: 4589512170068

Antenna type	Half-wavelength dipole
Antenna size	20 mm x 10 mm x 1.0 t
weight	Approximately 0.8 g
connector	UFL type
gain	1.66 dBi
Cable length	50 mm

data sheet



Direction of radio waves



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

It can be placed in a small space and delivers high performance.

The antenna has double-sided tape attached to the back so that it can be attached to the inside of a plastic case.

This is a compact, high-performance dipole antenna. It prioritizes small size and slim profile while maintaining excellent communication performance.

While its gain is slightly lower than the MW-A-P4208 in an ideal installation environment, it has the advantage of having less impact on performance degradation when metal objects are nearby compared to the MW-A-P4208.

* Antenna performance is affected by nearby objects (especially metal).



The TWE-AN-P2010 and MW-A-P2010 are identical in specifications, differing only in the color of the circuit board and the silkscreen markings.

MW-A-P2525



Product Name: Slim Antenna
Model Number: MW-A-P2525
Old Model Number: TWE-AN-P2525
JAN: 4589512170099
Not Recommended for New Use

Antenna type	Planar patch antenna (loop)
Antenna size	25 mm x 25 mm x 0.5 t
weight	Approximately 1.0g
connector	UFL type
gain	2.00 dBi
Cable length	50 mm



Direction of radio waves

Direction of radio waves



Direction of radio waves



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

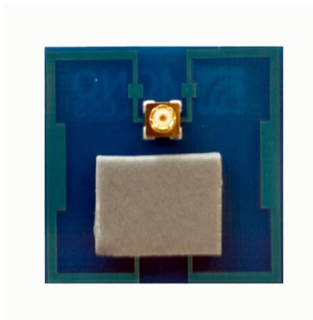
⚠ Please note that the antenna direction (polarization direction) of the TWE-AN-P2525 and MW-A-P2525 differs by 90 degrees from the silkscreen markings.



This is the antenna used in [the TWELITE 2525A](#) . It provides 2dBi antenna performance in a small device. There is no significant performance degradation even when a coin cell battery is placed directly below it.



surface



Back side

[Implementation Guide >](#)

i The TWE-AN-P2525 and MW-A-P2525 markings are identical in specifications, differing only in the color of the circuit board and the silkscreen markings.

[Wire antenna <](#)[前](#)[次](#)[Circuit board antenna >](#)