

mANT-series

This User Manual covers mANT antenna models:

[mANT 19S](#) (MTAS-5G-19D120)

[mANT 15s](#) (MTAS-5G-15D120)

Safety Warnings

Before you work on any equipment, be aware of the hazards involved with electrical circuitry, and be familiar with standard practices for preventing accidents.

Read the installation instructions before connecting the system to the power source.

This equipment is to be installed by trained and qualified personnel, as per these installation instructions. The installer is responsible for obtaining any required local or national safety inspections of the structural integrity of the installation by the local authority/inspection department.

All installation methods for mounting an access point on any wall surface are subject to the acceptance of local jurisdiction.

The Installation of the equipment must comply with local and national electrical codes.

This unit is intended to be mounted outdoors on a pole. Please read the mounting instructions carefully before beginning installation.

Failure to use the correct hardware and configuration or to follow the correct procedures could result in a hazardous situation for people and damage to the system.

We cannot guarantee that no accidents or damage will occur due to the improper use of the antenna. Please use this product with care and operate at your own risk.

When using an antenna connected to the MikroTik device, the device needs to be upgraded to RouterOS v6.48.3 or the latest version to ensure compliance with local authority regulations.



It is the customer's responsibility to follow local country regulations, including operation within legal frequency channels, output power, cabling requirements, and Dynamic Frequency Selection (DFS) requirements. All Mikrotik radio antennas must be professionally installed.

The mANT is a dual-polarization antenna with two RP-SMA connectors, it comes in two sizes, the 15dBi model and the 19dBi model. Both antennas have a 120-degree beamwidth

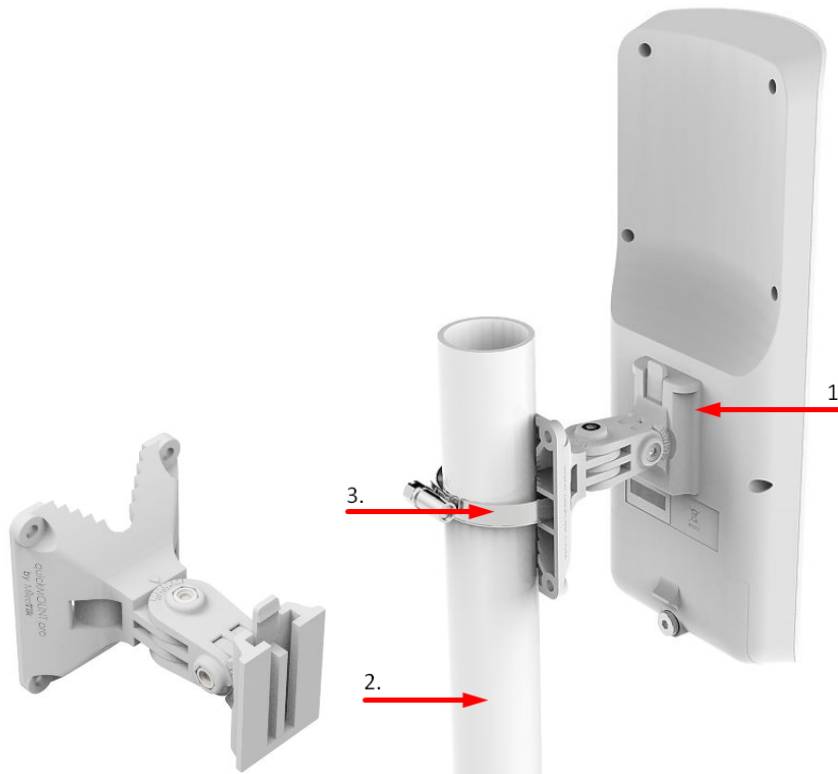
First use

1. Unscrew the lid screw by hand;
2. Open the cover;
3. Connect cables to the RP-SMA connectors of the antenna;
4. Make sure the device is powered off and connect cables to the device;
5. Mount and secure assembly.

Mounting

The **mANT 15s** come with a QuickMount adapter that can be attached to a wall using the included screws, or attached to a pole, using the included metal mounting ring. The QuickMount allows the antenna to be adjusted horizontally and vertically.

1. Attach the quick mount to the back of the antenna.



2. Attach the antenna to the pole.
3. Secure it with a provided steel clamp. Clamping diameter 35 – 70 mm.



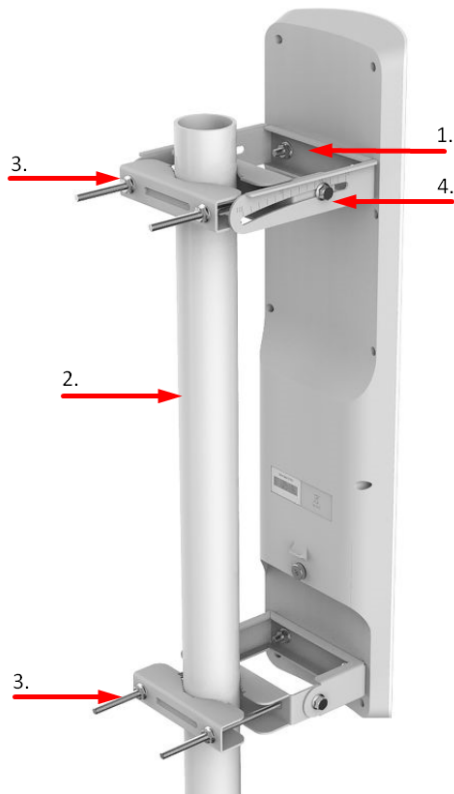
4. Please avoid connecting a loose Ethernet cable to the Ethernet port, secure the cable to a wall or the pole, so that the cable weight is not pulling the port. It is recommended to secure the Ethernet cable less than 2m from the antenna. This is to ensure that the cable doesn't damage the port by its weight, or doesn't fall out.

We recommend using Cat6 shielded cables.

The **mANT 19s** comes with metal pole brackets, that clamp around metal poles.

1. Attach the mount base to the back of the antenna.
2. Attach the antenna with mounting brackets to the pole.

3. Secure the antenna with brackets and screws.



4. Adjust needed alignment.

Please avoid connecting loose cables to the connectors, secure the cable to a wall or the pole, so that the cable weight is not pulling the port. It is recommended to secure the cable less than 2m from the antenna. This is to ensure that the cable doesn't damage the connectors by its weight, or doesn't fall out.

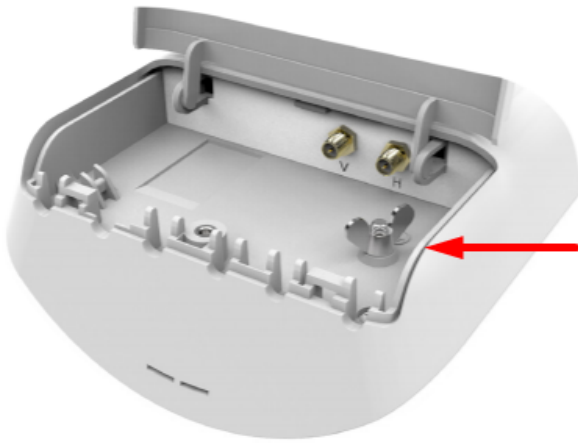
Accessories can be purchased separately:



[Flex-guide](#)

Grounding

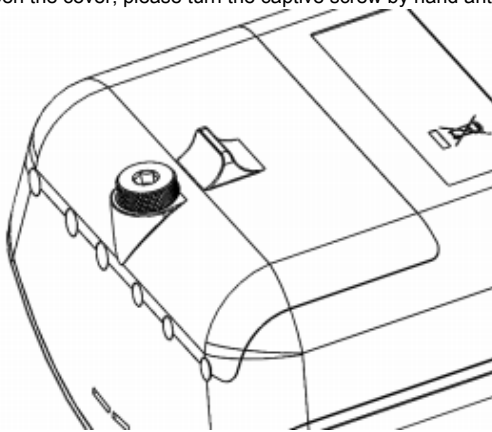
The installation infrastructure (towers and masts), as well as the router itself, must be properly grounded. The antenna includes a grounding wire attachment screw behind the case door. Attach your grounding wire to the grounding screw, then attach the other end of the grounding wire to the grounded mast. This is to substantially reduce the risk of ESD and lightning damage.



The antenna includes a grounding connection (marked).

Opening cover

To open the cover, please turn the captive screw by hand anti-clockwise and lift it.



Included parts



quickMOUNT PRO



K-41 screw kit



Metal ring

CE Declaration of Conformity

BG	С настоящото Mikrotikls SIA декларира, че този тип радиосъоръжение RouterBOARD е в съответствие с Директива 2011/65/ЕС. Цялостният текст на ЕС декларацията за съответствие може да се намери на следния интернет адрес: https://mikrotik.com/products
CS	Tímto Mikrotikls SIA prohlašuje, že typ rádiového zařízení RouterBOARD je v souladu se směrnicí 2011/65/EU. Úplné znění EU prohlášení o shodě je k dispozici na této internetové adrese: https://mikrotik.com/products
DA	

	Hermed erklærer Mikrofikls SIA , at radioudstyrstypen RouterBOARD er i overensstemmelse med direktiv 2011/65/EU. EU-overensstemmelseserklæringens fulde tekst kan findes på følgende internetadresse: https://mikrotik.com/products
DE	Hiermit erklärt Mikrofikls SIA , dass der Funkanlagentyp RouterBOARD der Richtlinie 2011/65/EU entspricht. Der vollständige Text der EU-Konformitätserklärung ist unter der folgenden Internetadresse verfügbar: https://mikrotik.com/products
EL	Με την παρούσα ο/η Mikrofikls SIA , δηλώνει ότι ο ραδιοεξοπλισμός RouterBOARD πληροί την οδηγία 2011/65/ΕΕ. Το πλήρες κείμενο της δήλωσης συμμόρφωσης ΕΕ διατίθεται στην ακόλουθη ιστοσελίδα στο διαδίκτυο: https://mikrotik.com/products
EN	Hereby, Mikrofikls SIA declares that the radio equipment type RouterBOARD is in compliance with Directive 2011/65/EU. The full text of the EU declaration of conformity is available at the following internet address: https://mikrotik.com/products
ES	Por la presente, Mikrofikls SIA declara que el tipo de equipo radioeléctrico RouterBOARD es conforme con la Directiva 2011/65/UE. El texto completo de la declaración UE de conformidad está disponible en la dirección Internet siguiente: https://mikrotik.com/products
ET	Käesolevaga deklareerib Mikrofikls SIA , et käesolev raadioseadme tüüp RouterBOARD vastab direktiivi 2011/65/EL nõuetele. ELi vastavusdeklaratsiooni täielik tekst on kättesaadav järgmisel internetiaadressil: https://mikrotik.com/products
FI	Mikrofikls SIA vakuuttaa, että radiolaitetyypin RouterBOARD on direktiivin 2011/65/EU mukainen. EU-vaatimustenmukaisuusvakuutuksen täysimittainen teksti on saatavilla seuraavassa internetosoitteessa: https://mikrotik.com/products
FR	Le soussigné, Mikrofikls SIA , déclare que l'équipement radioélectrique du type RouterBOARD est conforme à la directive 2011/65/UE. Le texte complet de la déclaration UE de conformité est disponible à l'adresse internet suivante: https://mikrotik.com/products
HR	Mikrofikls SIA ovime izjavljuje da je radijska oprema tipa RouterBOARD u skladu s Direktivom 2011/65/EU. Cjeloviti tekst EU izjave o sukladnosti dostupan je na sljedećoj internetskoj adresi: https://mikrotik.com/products
HU	Mikrofikls SIA igazolja, hogy a RouterBOARD típusú rádióberendezés megfelel a 2011/65/EU irányelvnek. Az EU-megfelelőségi nyilatkozat teljes szövege elérhető a következő internetes címen: https://mikrotik.com/products
IT	Il fabbricante, Mikrofikls SIA , dichiara che il tipo di apparecchiatura radio RouterBOARD è conforme alla direttiva 2011/65/UE. Il testo completo della dichiarazione di conformità UE è disponibile al seguente indirizzo Internet: https://mikrotik.com/products
IS	Hér með lýsir Mikrofikls SIA því yfir að RouterBOARD er í samræmi við grunnkröfur og aðrar kröfur, sem gerðar eru í tilskipun 2011/65/EU. Fullur texti ESB samræmisýfirlýsingar er að finna á eftirfarandi veffangi: https://mikrotik.com/products
LT	Aš, Mikrofikls SIA , patvirtinu, kad radijo įrenginių tipas RouterBOARD atitinka Direktyvą 2011/65/ES. Visas ES atitikties deklaracijos tekstas prieinamas šiuo interneto adresu: https://mikrotik.com/products
LV	Ar šo Mikrofikls SIA deklarē, ka radioiekārta RouterBOARD atbilst Direktīvai 2011/65/ES. Pilns ES atbilstības deklarācijas teksts ir pieejams šādā interneta vietnē: https://mikrotik.com/products
MT	B'dan, Mikrofikls SIA , niddikjara li dan it-tip ta' taghmir tar-radju RouterBOARD huwa konformi mad-Direttiva 2011/65/UE. It-test kollu tad-dikjarazzjoni ta' konformità tal-UE huwa disponibbli f'dan l-indirizz tal-Internet li ġej: https://mikrotik.com/products
NL	Hierbij verklaar ik, Mikrofikls SIA , dat het type radioapparatuur RouterBOARD conform is met Richtlijn 2011/65/EU. De volledige tekst van de EU-conformiteitsverklaring kan worden geraadpleegd op het volgende internetadres: https://mikrotik.com/products
NO	Mikrofikls SIA erklærer herved at utstyret RouterBOARD er i samsvar med de grunnleggende krav og øvrige relevante krav i direktiv 2011/65/EU. Den fulle teksten til EU-samsvarserklæringen er tilgjengelig på følgende internetadresse: https://mikrotik.com/products
PL	Mikrofikls SIA niniejszym oświadcza, że typ urządzenia radiowego RouterBOARD jest zgodny z dyrektywą 2011/65/UE. Pełny tekst deklaracji zgodności UE jest dostępny pod następującym adresem internetowym: https://mikrotik.com/products
PT	O(a) abaixo assinado(a) Mikrofikls SIA declara que o presente tipo de equipamento de rádio RouterBOARD está em conformidade com a Diretiva 2011/65/UE. O texto integral da declaração de conformidade está disponível no seguinte endereço de Internet: https://mikrotik.com/products
RO	Prin prezenta, Mikrofikls SIA declară că tipul de echipamente radio RouterBOARD este în conformitate cu Directiva 2011/65/UE. Textul integral al declaraiei UE de conformitate este disponibil la următoarea adresă internet: https://mikrotik.com/products
SK	Mikrofikls SIA týmto vyhlasuje, že rádiové zariadenie typu RouterBOARD je v súlade so smernicou 2011/65/EÚ. Úplné EÚ vyhlásenie o zhode je k dispozícii na tejto internetovej adrese: https://mikrotik.com/products
SL	Mikrofikls SIA potrjuje, da je tip radijske opreme RouterBOARD skladen z Direktivo 2011/65/EU. Celotno besedilo izjave EU o skladnosti je na voljo na naslednjem spletnem naslovu: https://mikrotik.com/products
SV	Härmed försäkrar Mikrofikls SIA att denna typ av radioutrustning RouterBOARD överensstämmer med direktiv 2011/65/EU. Den fullständiga texten till EU-försäkran om överensstämmelse finns på följande webbadress: https://mikrotik.com/products