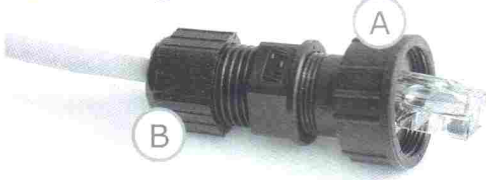


with it's (their) Ethernet ports towards the "CONNECTORS" mark on the drawing above.

5. Insert the rubber isolation cord **E** into the shaft near the edge of the case cover **B**, and trace the cord all the way around the cover. The cord is supposed to be longer than needed – you will need to cut it so that both ends are slightly overlapping. The cord must match the ridge near the edge of the base **A**. Close the case and secure the cover with the screws **F** tightly.
6. Put the clamp **D** on the screws **G** going through the points **S**, and fixate it with the washers **P** and nuts **O**.
7. Use the rings **Q** to fasten the case on the mast. Mind the orientation, as advised on the case: it must be mounted with connectors down, as there are two small ventilation holes, which must never be pointed up to avoid water leaking inside the case causing irreparable damage to the equipment inside. Make sure to tighten the rings reliably to prevent the device shift/rotate in high wind.

Connecting Ethernet Cable



1. Pull the Ethernet cable through the assembly shown on the picture (you should have received the assembly together with the device).
2. Install an RJ45 connector on the Ethernet cable, and plug it in the device.
3. Screw the **A** part on top of the Ethernet socket of the device.
4. Hand tighten the **B** part to seal the opening of the assembly.

Connecting External Antenna Cable (optional)

If the RouterBOARD was purchased with external antenna connector option, screw the connector of the antenna cable cable on the appropriate antenna attachment of the case. Hand tighten the connector (do **not use vice grips** for this job). When tying the coaxial cable, make sure no water can get into it and/or into the equipment it is attached to. It is very important to seal the connection properly with a good rubber tape made particularly for this purpose (note that many general purpose tapes will not prevent moisture to leak into connector, or will fail after some time). **Note:** do not bend the cable straight: you should keep a radius of curvature allowing the cable to bend without applying force.

Safety Precautions

IMPORTANT: LIVES MAY BE AT RISK! Contacting power lines may cause injury or death. Make sure that in no case may equipment or personnel come in direct or indirect contact with power lines. All overhead wiring should be assumed to be power lines. Ensure that the mast may not contact power lines even if it falls during or after installation. If a person comes in contact with electricity and is not able to move, you **MUST NOT** touch that person to avoid the same fate! Instead, use a known non-conductive stick or rope to pull him/her away from the electric line.

Respect safe procedures when working above the ground. Do not work alone: a friend or co-worker can save your life in case of an accident.

Grounding

The installation infrastructure (towers and masts), as well as antennas and the device itself, must be properly grounded, and lightning arrestors must be installed on all external antenna cables (near the antennas or on the antennas themselves) to prevent equipment damage and human injury. Note that lightning arrestors will not have any effect if not grounded. Note also that damages caused by static electricity and lightning are not covered by warranty.

Use 1 AWG (7mm in diameter) wire with corrosion-resistant connectors. Secure it on the grounding screw **G** with a lock washer **L** and a wing nut **M**. Be sure to check that the grounding infrastructure you use is indeed functional (as opposed to decorative-only grounding present on some sites).

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Hardware. MikroTik SIA warrants all RouterBOARD series equipment for the term of one year from the shipping date to be free of defects in materials and workmanship under normal use and service. All parts will be repaired or replaced with similar or functionally equivalent parts by MikroTik SIA during the warranty term, except in case the returned parts have mechanical, electrical or other accidental or intended damages caused by improper use or due to wind, rain, fire or other acts of nature.

Parts (or systems) must be shipped pre-paid to our facility in Riga, Latvia. All items must have a Return Material Authorization (RMA) which you can get by contacting us via email, telephone or fax. RMA must be printed, signed, and enclosed with the shipment, also the RMA number must be written on the package itself. Parts sent without following the proper procedure will be treated as those not to be repaired or replaced due to the above mentioned conditions. Items proved to be free of defects in our lab will be returned to the customer at the customer's expense. Those that do meet the warranty repair requirements will be repaired or replaced, and returned to the customer's location at our expense, extending the warranty term for the time the items are being shipped to and from our facility and replaced or repaired.

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