

RouterBOARD wireless card diagnostic instructions

This document applies to all MikroTik RouterBOARD wireless cards. First ensure that the card is properly inserted into a miniPCI slot of a perfectly working RouterBOARD device, and that you have enabled this card in the interfaces list. Note that some cards are not supported by older RouterOS versions, use latest version.

If inserting the card in a working RouterBOARD makes it **non bootable**, refer to following:

Possible problems:

1) Card is damaged from the miniPCI side

Possible reasons:

- Lightning or ESD damage to RouterBOARD
- Incorrect grounding
- Humidity damage
- Overheating
- Physical damage to card, or RouterBOARD which has this installed

How to diagnose:

- visible water marks on the card
- inserting this card into a working RouterBOARD, the RouterBOARD can no longer boot.

2) Card is damaged from the antenna side

Possible reasons:

- Lightning or ESD damage from antenna side

How to diagnose:

- inserting this card into a working RouterBOARD, the RouterBOARD can no longer boot.
- Use multimeter to test as described here:
http://wiki.mikrotik.com/wiki/Manual:Wireless_card_diagnostics

If any of the above are true, warranty is void and card will not be repaired. Please do not send the card to the RMA department.

However, if the card doesn't affect the booting process of RouterBOARD, is properly inserted, grounded and RouterOS version is up to date, but card is not in the interfaces list, contact MikroTik support to verify if card needs to be repaired.