

## The wireless link is established, but there is no access to the remote device



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### Configuration analysis

In the web interface go to the section "Device status" → "Link statistics on rf5.0 interface", then left-click on the device to which the access is missing. Select "Remote commands".

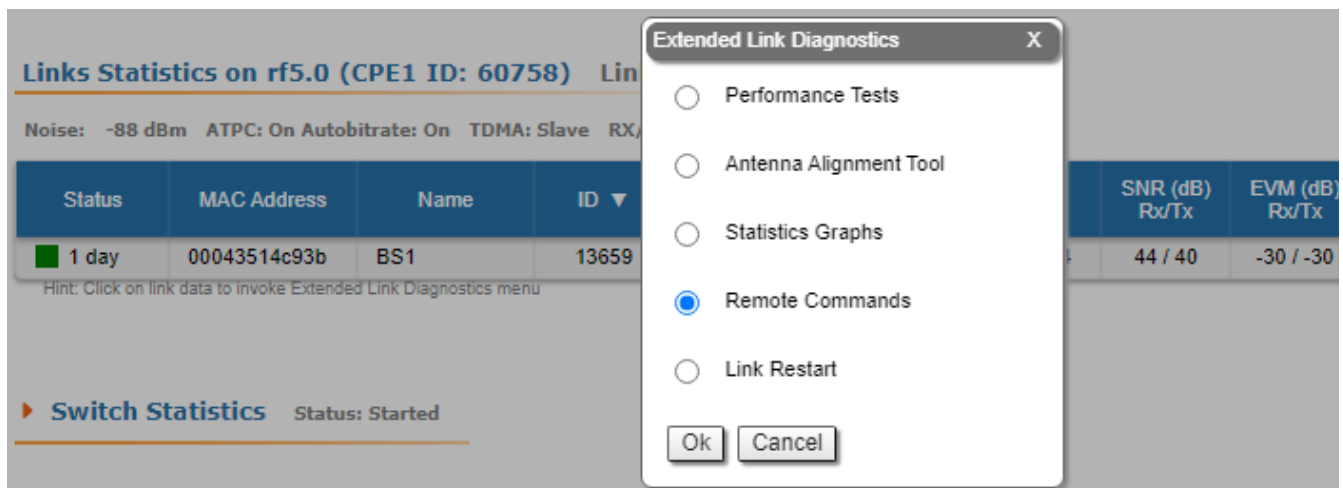


Figure - Remote commands

In the pop-up window enter "config show". If the devices are configured via telnet, access to the remote device can be obtained with the "[mint rf5.0 rcmd](#)" command.

### "Vlan" interfaces

Make sure that the "vlan" interfaces are configured in accordance with the company's security policy (see point 1 in the figure below). The VLAN configuration process using the command line is described in the "[VLAN configuration](#)" article.

### Filtering rules

Pay attention to the traffic filtering rules in the switch group and in the "[IPFirewall](#)" subsection (point 2).

**LINAR rf5.0 link to Slave (00043523fa96)**

```

#Interfaces parameters
ifc lo0 127.0.0.1/32
ifc eth0 media auto mtu 1500 up
ifc eth0 192.168.103.83/24
ifc eth1 media auto mtu 1500 up
ifc rf5.0 mtu 1500 up
ifc svi110 mtu 1500 up
# group 110
ifc svi110 192.168.110.83/24
ifc vlan110 mtu 1500 up
ifc vlan110 vlan 110 vlande eth0
#IP firewall configuration
ipfw add 10 reject -f "host 10.10.34.11"
ipfw add 20 reject -f "host 10.10.38.45"
#QoS manager
qm option dot1p rtp nodscp icmp
#MINT configuration
mint rf5.0 -name "Slave"
mint rf5.0 -nodeid 60758
mint rf5.0 -type slave
mint rf5.0 -mode fixed
mint rf5.0 -scrambling
mint rf5.0 -autobitrate
mint rf5.0 -hiamp 2 -loamp 0
mint rf5.0 -log
mint rf5.0 prof 1 -band 40 -freq 5010 -sid 10101010 \
-nodeid 60758 -type slave \
-autobitr -mimo greenfield
mint rf5.0 -roaming enable
mint rf5.0 -authmode public
mint rf5.0 -airupdate passive
mint rf5.0 -rcmdserver enabled
mint rf5.0 start
#MAC Switch config
switch group 110 add 1 rf5.0 vlan110
# group 110 attached to 'svi110'
switch group 110 start
switch group 44 add 2 eth0 rf5.0
switch group 44 vlan 44
switch group 44 start
switch start
#Switch Virtual Interface config
svi 110 group 110

```

Command:  Key:

Execute Clear Stop Execution Close Plain text: ☐ Send to all: ☐

**System Management Buttons:**

- System Info
- System Config
- System Log
- License Info
- Reset All Counters
- Routing Table
- Switch Statistics
- IGMP Statistics
- Interface Table
- Radio Statistics
- Link Status
- Radio Scanner
- Traffic Show
- Upload Config...
- Reboot Remote Unit

Figure - Display configuration

## Checking the switch settings on the remote device

### Device management

Make sure that the switch group for the device management is configured correctly (see point 3 in the figure above):

- To access the device via the radio interface, the rf5.0 interface must be added to the management switch group.
- The svi interface must be associated with the switch group. The interface can be associated using the "[svi](#)" command (point 4).
- The device's management IP address must be assigned to the svi interface using the "[ifconfig](#)" command (point 1). The switch groups are configured using the "[switch](#)" command.

### Checking the members of the switch group

To display information about the devices included in the switch groups, use the "[mint rf5.0 map swg](#)" command.

```

LINAR#console>mint rf5.0 map swg

=====
Interface rf5.0
Node 00043523F7DD "LINAR", Id 60061, Nid 0, (Master)(polling)
Freq 5010, Band 40, Sid 10101010, autoBitrate 300000 (min 30000), Noise -92

GROUP 1 : 1 nodes : sent 158008671
          (eth0 rf5.0) => sv11
          00043523FA96 "Slave" " 1 hops, Cost 51, (alive 5)

```

System Info

System Config

System Log

License Info

Reset All Counters

Routing Table

Switch Statistics

IGMP Statistics

Interface Table

Radio Statistics

Link Status

Radio Scanner

Traffic Show

Command:

Execute

Clear All Fields

Figure - Checking the switch group

## Switch statistics

To display statistics about the dropped/blocked MAC addresses for each switch group, use the "[switch statistics](#)" command.

```

LINAR#console>switch statistics
Switch status: STARTED
Bridge group 1(normal), READY STARTED Interfaces : eth0(F) rf5.0(F)

Switch statistics:
Kernel forwarded/bcasts/flooded: 922/0/0
  ignored: 0, by firewall: 0

ID  Unicast  Bcast  Flood  +----- Dropped -----+
=====  =====  =====  ! STPL UNRD FRWL LOOP DISC BACK !
=====  =====  =====  !-----+
1 >99999999 8296294 86608   0      793   0 >999999 0 2427
Total forwarded: 643112206
  dropped: 2749510
  DB Records: 34/5000 (0%), max: 57, overflows: 0

```

System Info

System Config

System Log

License Info

Reset All Counters

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IGMP Statistics

Interface Table

Radio Statistics

Link Status

Radio Scanner

Traffic Show

Command:

Execute

Clear All Fields

Figure - Switch statistics

Checking the switch settings on the local device

## Device management

## Title

Make sure that the switch group ID assigned for management on the local device matches with the switch group ID on the remote device. Make sure that the rf5.0 interface has been added to the switch group. The svi interface must be associated with the switch group and its IP address is used for the management of the device. For detailed information about the device management configuration proceed to the "[Remote management of the R5000 units](#)" article.

### Filtering rules

Pay attention to the traffic filtering rules in the switch group and in the "*IPFirewall*" subsection. Make sure that the traffic from the remote device is not restricted.