BANDIT II and BANDIT III
Quick Configuration Guide

3rd of 3 QuickStart Guides for the BANDIT II and the BANDIT III

The BANDIT II™ and the BANDIT III™ are ROHS-compliant devices in the BANDIT™ product family. The chassis also have models that been hardened for performance in environmentally harsh conditions.

Figure 1 illustrates a sample satellite network. The diagram has blanks for IP addresses. You can fill these blanks with information for configuring the network devices.
Configuring the Initiating Device

1. On the initiator unit, log into the BANDIT. After the Main Menu has been displayed, select:
   
   **Quickstart Config Builder**

2. Then select:
   
   **GENERIC**

3. Then select:
   
   **Ethernet WAN VPN Gateway (Initiator)**

4. Then configure the parameters as shown below.

   **Startup Configuration Parameters**

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   1) **System Name**: (Give any name here)
   
   2) **LAN Interface IP**: (Give Lan IP and subnet here)
   
   3) **WAN Interface IP**: (Give Wan IP and subnet here)
   
   4) **Primary DNS Server**: (Give your DNS IP address here)
   
   5) **VPN Gateway**: (The VPN Gateway address is the WAN IP address of the TERMINATING Bandit II or III)
   
   6) **VPN User ID**: (Enter VPN User ID here. NOTE: They MUST match on both Bandit II or III units)
   
   7) **VPN Pre-Shared Key**: (Enter VPN Pre-Shared Key here. NOTE: They MUST match on both Bandit II or III units)
   
   8) **Remote Ping/Subnet**: (The Remote Ping/Subnet is the LAN IP address of the Terminating Bandit II or Bandit III)

5. After parameters 1 to 8 (listed above) have been configured, choose:

   L) **Load Above Config**

6. Then select:

   Y) **Yes**

7. Then select:

   R) **Reset**

8. Then select:

   Y) **Yes**

9. Press the ENTER key on your keyboard. You will see the following message.

   **Unit resetting.**
Configuring the Terminating Device

1. On the terminating unit, log into the BANDIT. After the Main Menu has been displayed, select:
   
   QuickStart Config Builder

2. Then select:
   
   GENERIC

3. Then select:
   
   Ethernet WAN VPN Gateway (Terminator)

4. Then configure the parameters as shown below.
   
   **Startup Configuration Parameters**
   
   1) System Name : (Give any name here)
   
   2) LAN Interface IP : (Give Lan IP and subnet here)
   
   3) WAN Interface IP : (Give Wan IP and subnet here)
   
   4) VPN User ID : (Enter VPN User ID here. NOTE: They MUST match on both Bandit II or III units)
   
   5) VPN Pre-Shared Key : (Enter VPN Pre-Shared Key here. NOTE: They MUST match on both Bandit II or III units)

5. After parameters 1 to 5 (listed above) have been configured, choose:
   
   L) Load Above Config

6. Then select:
   
   Y) Yes

7. Then select:
   
   R) Reset

8. Then select:
   
   Y) Yes

9. Press the ENTER key on your keyboard. You will see the following message.
   
   Unit resetting.

10. Now get back to the Main Menu of the terminating unit and choose:
   
   2) Typical Configuration

11. Then select:
   
   5) IP/VPN Policies

12. Then select:
   
   2) Policy Table
13 Then select:

M) Modify entry #1

14 Go to DESTINATION ADDRESS (LOW) and also DESTINATION ADDRESS (HIGH) and enter the COMPLETE subnet range of the INITIATOR’s LAN range.

15 Once you have entered this information, press the ESC key. If it asks to SAVE CHANGES, press Y) YES.

16 Keep pressing the ESC key back to the Main Menu. Then select WRITE and RESET.

At this point, the configuration is done.

Notes

If you have a firewall or a router in front of the BANDIT devices, make sure the following ports are opened in both directions:

- IP Protocol 50
- UDP Port 500
- TCP Ports 46500 through 65535

Statistics

1 After both units are completely configured and reset, get to the Main Menu for one of them, and choose:

S) Statistics

2 Then select:

V) VPN

3 Look at the bottom of the first screen and see “Number of Tunnels Up.” It should be 1.

4 Press the spacebar to get to the second page and look up at the top at the MINUTES and SECONDS.

5 Keep refreshing the screen by pressing your spacebar and monitor this until it gets passed the 2 minute, 5 second mark.

Note: If the tunnel stays up after that point you are good to go. If it drops after 2 minutes and 5 seconds you still have items to address in the network.

Additional Configuration

After you have done this, if you want to add subnets from the HQ side to the Remote side, perform the following procedures.

A More Configuration on the Remote Unit

1 On the Main Menu, select:

2) Typical Config
2 Then select:
   5) IP/VPN Policies
3 Then select:
   2) Policy table
4 Then select:
   C) Copy # 1 and insert before #2
5 Then select:
   M) Modify #2
6 Change the Destination address (Low and High) to that of the other subnet, at the HQ side.
7 Add more entries to the policy table, if needed.
   Note: Make sure the ALLOW ALL entry stays at the bottom of this list.
8 Once you are done, press ESC. If it prompts you to SAVE CHANGES, press Y) YES.
9 ESC back to the Main Menu and WRITE and RESET unit.

B More Configuration on the HQ Device

1 On the Main Menu, select:
   2) Typical Config
2 Then select:
   3) IP Static Routes
3 Then select:
   A) Add
4 Add a route in here pointing to the other subnet, enter that subnet mask, and the next hop router to get there.
5 ESC back to Typical Configuration menu. Select the following:
   5) IP/VPN Policies
6 Then select:
   2) Policy table
7 Then select:
   C) Copy # 1 and insert before #2
8 Then select:
   M) Modify #2
9 Change the SOURCE address (Low and High) to that of the other subnet, at the HQ side.
10  Add more entries to the policy table, if needed.

**Note:** Make sure the ALLOW ALL entry stays at the bottom of this list.

11  Once you are done, press ESC. If it prompts you to SAVE CHANGES, press Y) YES.

12  ESC back to the Main Menu and select WRITE and RESET unit.

**Note:** Also see the *BANDIT II and BANDIT III Expanded Configuration Guide.*