

This document is intended to guide an administrator through configuring the Serial port on MX-200 routers for out-of-band management with an RS232 console interface. Once turned on, this feature is used by establishing a SSH or Telnet client session with the router, then redirects the traffic to the attached device by console cable such as router or switch.

CONNECT THE EQUIPMENT

DB9 male to male serial adapter is required.



Console cable (RJ45 to DB9)



Connect DB9 male to male adapter to MX-200 RS232 port; Connect console cable (DB9 female) to male adapter on the MX-200; Connect console cable (RJ45) to the device that you want to manage.



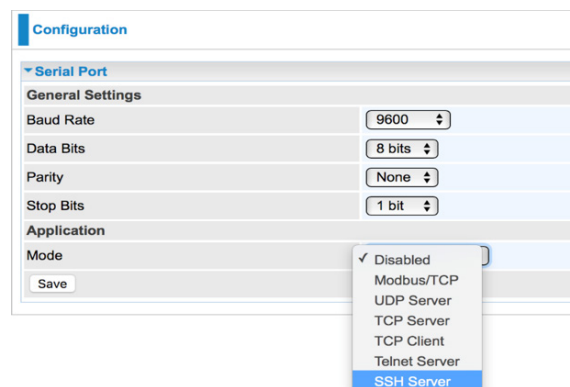
DEVICE SETUP (FOR DIRECT CONNECTION)

Step 1: Login to the router's web GUI page. For help with logging in please see user menu.

Step 2: Click on Configuration tab on the left and click on Advanced Setup then click on Serial port.



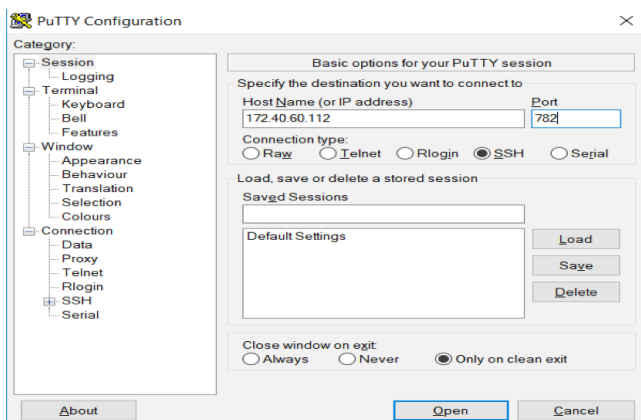
Step 3: Please select "9600" for Baud Rate and "SSH Server" on the Application Mode.



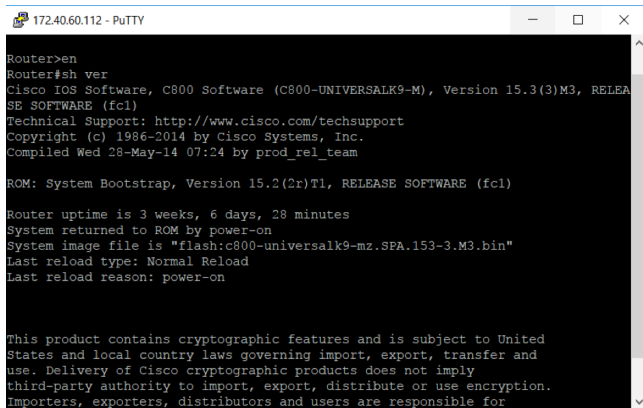
Step 4: Click Save for changes were made.

Step 5: Using your system's telnet client software or **PuTTY** to establish a session to the MX-200. You can find **PuTTY** software [here](#).

Step 6: Put the IP address and Port number of the router and click Open.



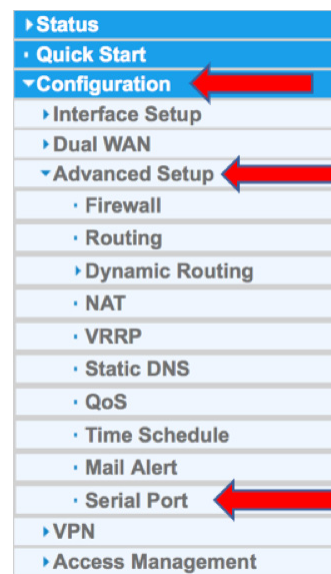
Once the session is established, you may interact directly with your hardware.



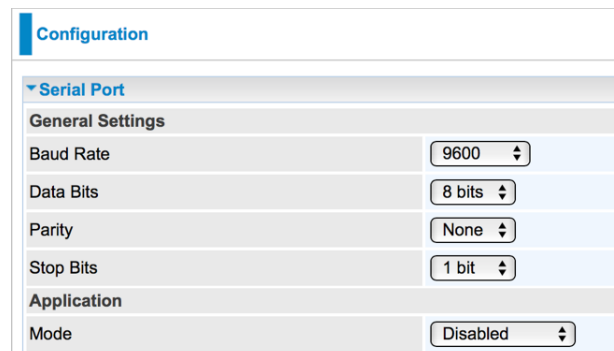
DEVICE SETUP (FOR BECentral CONNECTION)

Step 1: Login to the router's web GUI page. For help with logging in please see user menu.

Step 2: Click on Configuration tab on the left and click on Advanced Setup then click on Serial port.



Step 3: Make sure the Application Mode is Disabled



Step 4: Click Save if changed were made

Step 5: Login to [BECentral](#)

Sign In

Username

Password

[Forgot password ?](#)

Sign in

After the session is established, you will be able to access the console of your device.

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Out-of-Band Management
Router#sh ver
Cisco IOS Software, C800 Software (C800-UNIVERSALK9-M), Version
15.3(3)M3, RELEASE SOFTWARE (fc1)
Technical Support: http://www.cisco.com/techsupport
Copyright (c) 1986-2014 by Cisco Systems, Inc.
Compiled Wed 28-May-14 07:24 by prod_rel_team
ROM: System Bootstrap, Version 15.2(2r)T1, RELEASE SOFTWARE (fc1)
Router uptime is 3 weeks, 6 days, 36 minutes
System returned to ROM by power-on
System image file is "flash:c800-universalk9-mz.SPA.153-3.M3.bin"
Last reload type: Normal Reload
Last reload reason: power-on
This product contains cryptographic features and is subject to United
States and local country laws governing import, export, transfer and
use. Delivery of Cisco cryptographic products does not imply
third-party authority to import, export, distribute or use encryption.
Importers, exporters, distributors and users are responsible for
compliance with U.S. and local country laws. By using this product you
agree to comply with applicable laws and regulations. If you are
unable
    
```

Step 6: Select MX-200 and click on Device tab then click on "Out-of-Band Management".

The screenshot shows the BEC Technologies web interface. At the top, there is a navigation bar with icons for Dashboard, Devices, Ticketing, File, and Scheduler. Below this is a breadcrumb trail: Home / Devices List. The main content area is titled 'Devices List' and contains a table with columns for Model, Device, and Modified Name. A context menu is open over one of the 'MX-200' entries, showing options: Configuration, Analysis, Alerts Policy, Network, System Log, Address, and Out-of-Band Management. The 'Out-of-Band Management' option is highlighted in blue.