

Polycom RSS 2000 V1.0 Getting Started Guide



General Safety Precautions

Follow these rules to ensure general safety:

- Keep the area around the Polycom RSS 2000 unit clean, free of clutter and well ventilated.
- Decide on a suitable location for the equipment rack that will hold the RSS 2000 unit and is near a grounded power outlet.
- Use a regulating uninterruptible power supply (UPS) to protect the RSS 2000 unit from power surges and voltage spikes, and to keep it operating in case of a power failure.

Hardware Specifications

- **Hardware:** Pentium 4, 2.8Mhz,1.5G RAM,250G Hardisk.
- **Form Factor:** 1U 19" rack mount
- **Height:** 1.73" (44 mm)
- **Width:** 16.83" (430 mm)
- **Depth:** 15.35" (390 mm)

- **Gross Weight:** 22.4 lbs (10.2 kg)
- **Power Supply:** Thermal controlled 220W ATX AC power supply w/PFC
- **AC Voltage:** 100 - 240 VAC, 60-50 Hz, 5-3 Amps
- **Operating System:** XP OS

Preparations

Obtain the following information from your network administrator:

- RSS 2000 unit, Subnet Mask and Default Gateway IP addresses
- Gatekeeper IP address, Prefix, and E.164 of the RSS 2000

Unpacking and Installing the RSS 2000

1. Place the RSS 2000 unit on a stable flat surface in the selected location.
2. To connect to the power source, insert the power cable into the Power connector on the rear panel of the MGC+ unit and insert the Power cable into the power source socket.
3. Connect the LAN cable to LAN1 in the back of the system.
4. Turn on the power switch.



Initial RSS 2000 IP Configuration

The system is shipped with the following default IP addresses:

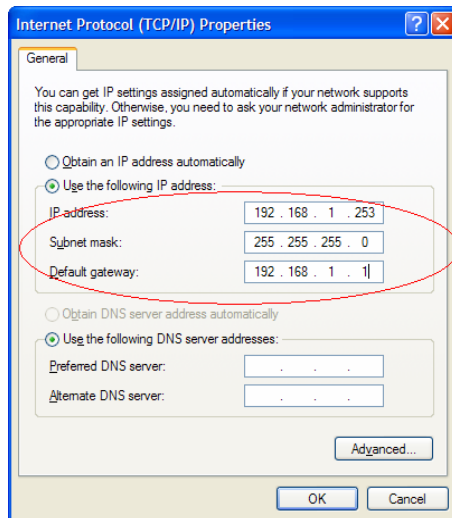
- IP Address: 192.168.1.254
- Subnet Mask: 255.255.255.0
- Gateway: 192.168.1.1

There are two ways to change the initial IP address of the system:

- Via a cross over LAN cable
- Via a RS232 or Telnet Console.

Changing the Initial IP Address via a Cross-over LAN Cable

1. Connect a cross over LAN cable to LAN1 in the RSS 2000 rear panel.
2. Set your laptop to the same segment of the RSS, for example (in your laptop IP config setting):



3. Open Internet Explorer and browse to:

<http://192.168.1.254>

4. Login to the system.

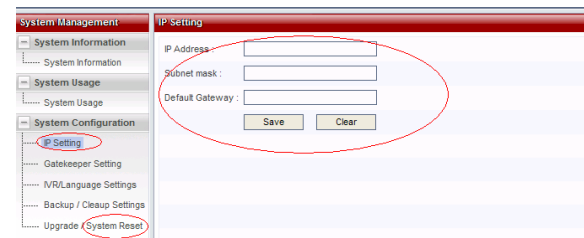
User name: Administrator

Password: polycom



5. Go to **System Configuration->IP Setting** and modify the IP address.

6. Click the **Save** button.



7. Reset the system.

Changing the Initial IP Address via an RS-232 Console or Telnet

Another option to modify the IP address of the RSS 2000 is using the RS232 console.

1. Connect to the RS232 port – and activate the console (9600, 8bits).
2. Login, using the default Login name: polycom (or any administrator password).
When you are logged in to the console, you will see the system's current IP address.
3. Change the default IP address to the site's IP address.
In the command line (#), enter:
set lan1 static <IP address> mask < IP address> [gw < IP address>]

```
Type ? or help to get the help information
#
# ?

?
exit
help
password
shutdown
restart
set lan1 static <ip> netmask <mask> [gw <gateway>]
show
```

Note

- These steps are also applicable to Telnet connection.
- You can use either Telnet or RS232, not both to configure the initial system IP addresses.

The system is now ready for use. For additional configuration information, refer to the RSS200 User's Guide.

RSS 2000 Maximum Capacity

Scenario	Description	Maximum Capacity
Conference Recording	How many conferences can be recorded simultaneously	2 conference or 2 EPs dialing in the same time 1 H239 recorded link at a time
Point to Point recording	How many point to point calls can be record (if both are dialing into the POLYCOM™ RSS 2000)	1
H323 Playback	How many conferences can be playback in H323	10
Archive view	How many streaming can be reviewed (unicast) – based on the Web Server capacity	60

Network TCP/UDP Ports used by RSS 2000

	Usage	Type	Port Range
	Manager	TCP	81
	Web	TCP	80
	Trace	UDP	30011
Endpoint/ H.323	Gatekeeper	UDP	1719
	RAS	UDP	1720
	Q.931 Socket	TCP	1720
	H.245 Socket	TCP	1730-1739
	Audio / Video / Data	UDP	2000-2099
Media	Live Broadcast	TCP	1800-1801
	On Demand Archive	TCP	2800-2859

RSS2000 Policies and Limitations

Subject	Description
H.323 Alias length	The maximum length of the system H.323 alias name is 16 characters
IVR message	The format for IVR message files is: WAV files, PCM 16bits
Console Service	RS232 configuration: Baud rate 9600, Data bits 8, Parity None, Stop bits 1, Flow control OFF. ONLY ONE connection to the Console service is allowed, either by RS232 or by Telnet, but not both.
Endpoint menu	<ol style="list-style-type: none"> 1. When schedule a dial out & record from the Web UI, RSS will loopback the video and NEVER show the menu unless a menu operation (FECC arrow keys or DTMF 2/4/6/8) is given from the endpoint. 2. When a pre-defined endpoint dials into the RSS and the endpoint has the "immediate recording" option, RSS will do the same as above. 3. When inviting an endpoint to a P2P recording room (using E.164 number of the P2P room followed by #/* and E.164 number of the invited endpoint), the inviting endpoint will have the menu and the invited endpoint won't have the menu 4. When two endpoints meet at a P2P recording room, only one of them can have the menu at a time.
H.264 bandwidth	The maximum bandwidth for H.264 is limited to 768K
P2P recording maximum bandwidth	Maximum bandwidth for a P2P recording room is 1024K. If video protocol for P2P recording room is H.264, then the maximum bandwidth is 768K
Archive file size	If the media file size exceeds 4GB, downloading it from Web UI may be incomplete.

Subject	Description
Media Player Support	Windows Media Player 9/10 is required. WMP 10 is recommended. RealPlayer can also be used if WMP is properly installed. QuickTime player is not supported. Some third party media player such as Media Player Classic (MPC) and VLC can also be used, but they were not certify
Archive playback	Archive playback with WMP does not support playback controls: Pause/Resume/FF/Backward, etc
H.323 playback	During H.323 playback, if there is packet loss and endpoint requests I-Frame, RSS cannot apply the request. Since all audio/video data are from the media file.
System Reset	Hard reset (power off and on) is not recommended. Reset should be done via the Web UI or Console service whenever possible.

