POLYCOM

Polycom® RSS™ 4000 System Getting Started Guide

5.0.0 | Oct. 2009 | 3150-30828-001

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Polycom, Inc.
4750 Willow Road
Pleasanton, CA 94588-2708
USA

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Accessory List

Table 1 Accessory List

Accessory	Quantity
Power Cords	2
RJ45 Network cable	2
DB9 Console cable	1

General Safety Precautions

Follow these rules to ensure general safety:

- Keep the area around the Polycom® RSS™ 4000 unit clean, free of clutter and well ventilated.
- Decide on a suitable location for the equipment rack that will hold the Polycom® RSS™ 4000 unit and is near a grounded power outlet.
- Use a regulating uninterruptible power supply (UPS) to protect the Polycom® RSS™ 4000 unit from power surges and voltage spikes, and to keep it operating in case of a power failure.

Table 2 Hardware Specification

Parameter	Description
Hardware Capability	Intel Xeon 2.33GHzx2, 4G RAM, 500GBx2 Hard disk (Disk 1: 500GB / Disk 2(for mirroring): 500GB)

Parameter	Description
Form Factor	2U 19” rack mount
Height	89 mm
Width	441 mm
Depth	485 mm
Gross Weight	19.5 kg
Power Supply	700W ATX AC power supply w/PFC, 1 + 1 Redundant Power Supply
AC Voltage	100 - 240 VAC, 60-50 Hz, 10-4 Amps
Operation System	Windows XP EK

First Time Installation and Configuration

Preparations

Obtain the following information from your network administrator:

- Polycom® RSS™ 4000 unit, Subnet Mask and Default Gateway IP addresses
- Gatekeeper IP address, Prefix, and E.164 of the Polycom® RSS™ 4000.

Unpacking and Installing the Polycom® RSS™ 4000

1 Place the Polycom® RSS™ 4000 unit on a stable flat surface in the selected location.

2 Insert each power cord connector into the rear of the unit and connect each to an appropriately rated socket outlet. The Polycom® RSS™ 4000 unit is supplied with two power cords, BOTH power cords should be connected to the mains power supply during normal operation.

3 Connect the LAN cable to LAN1 in the back of the system.

4 Turn on the power switch.

Plug Acts as Disconnect Device:

- The socket outlets to which this apparatus is connected must be installed near the equipment and must always be readily accessible.
- In order to fully isolate the equipment then both power cords should be disconnected otherwise the system will remain energized.

Initial Polycom® RSS™ 4000 IP Configuration

The system is shipped with a default IP configuration:

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:

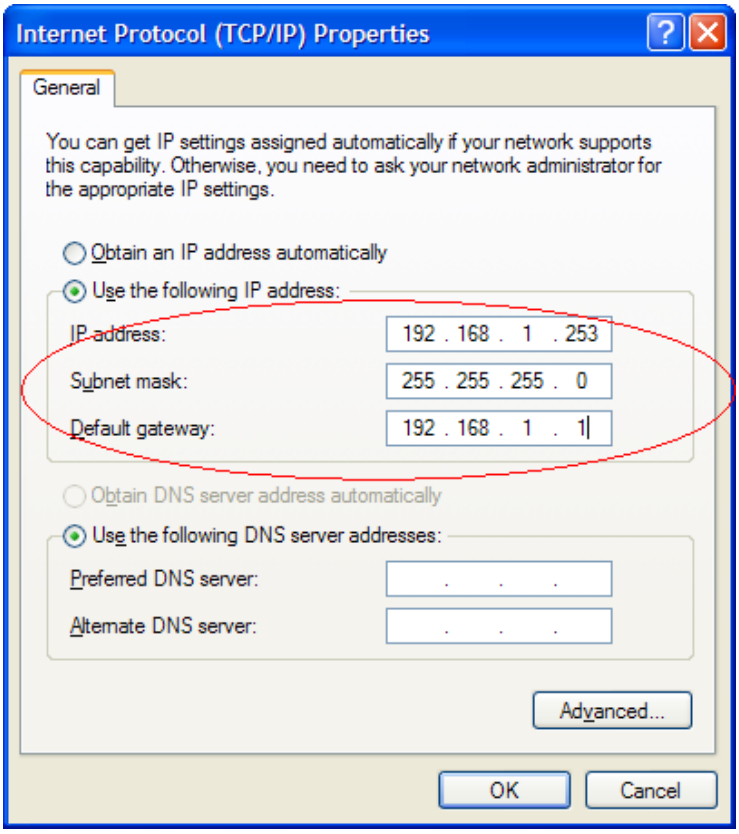
- Via a cross over LAN cable
- Via a RS232 or Telnet Console.

Changing the initial IP address via a cross over LAN cable

1 Connect a cross over LAN cable to LAN1 in the Polycom® RSS™ 4000.

2 Set your laptop to the same segment of the Polycom® RSS™ 4000.

For example (in your laptop IP config setting):

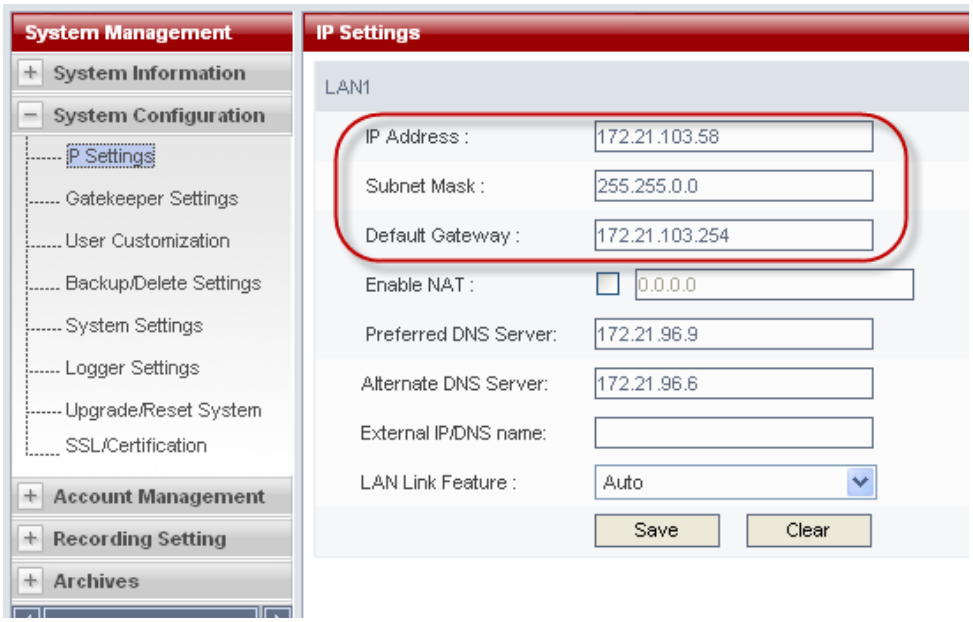


3 Open a browser and go to: ***http://192.168.1.254***

4 Login to the system

User name: POLYCOM, Password: POLYCOM

5 Go to **System Configuration->IP Settings** and set a static IP. Click **Save** and then reset the system.



Changing the initial IP address via an RS232 Console or Telnet

Another option to modify the IP address of the Polycom® RSS™ 4000 is using the RS232 console.

Connect to the RS232 port – and activate the console (9600, 8bits)

Login: POLYCOM (initial password)

When you first login to the console, you will see the current IP address of the system.

Help

After the user have logged onto the system, enter "?" or "help" after the "#" to show the available commands.

```
#?

Available commands:

show Show system information.

...

help or ? Show this message.

quit Logout.

#
```

IP settings

Enter the command in below format after the prompt "#" to set LAN 1 IP address:

set lan1 static <ip address> netmask <ip mask> [gw <gateway address>]

For example, set the IP address of the LAN1 interface to 172.21.103.129, subnet mask to 255.255.255.0, and the gateway address to 172.21.103.254:

```
# set lan1 static 172.21.103.129 netmask 255.255.255.0 gw
172.21.103.254
```

Reset login Password

Enter "reset password" after the prompt "#" and press Enter to reset the current password to the default password (POLYCOM), allowing the user to reset the login password.

```
# reset password


Password has been successfully reset.
```

- The same process applies also for Telnet connections.
- Only one console session can be active at any given time (either Telnet or RS232, not both).

The system is now ready for use. For additional configuration instructions, refer to the user guide.

Polycom® RSS™ 4000 Maximum Capacity

Table 3 Maximum Capacity

Scenario	Description	Maximum Capacity
H.323 Connection	How many H.323 devices can be connected to Polycom® RSS™ 4000 simultaneously?	15
Single Point Recording	How many conferences can be recorded simultaneously?	15
Point to Point recording	How many point to point calls can be recorded (if both are dialing into the Polycom® RSS™ 4000)?	4
H323 Playback	How many recordings can be simultaneously played back in H323?	15
Archive playback (WMV Unicast)	How many streams/archives can be simultaneously viewed (unicast)?	If the playback was recorded at the rate of : [128k ~ 1024k] – It supports 200 simultaneous archived playbacks; (1024k ~ 2048k] – It supports 100 simultaneous archived playbacks; (2048k ~ 4096k] – It supports 50 simultaneous archived playbacks.
Archive playback (Multicast)	How many streams/archives can be simultaneously viewed (multicast)?	2

The number of H.323 connection includes that used for single point recording, point to point recording, and H.323 archive playback.

Network TCP/UDP ports used by Polycom® RSS™ 4000

Table 4 TCP/UDP ports used by Polycom® RSS™ 4000

Usage		Type	Port Range
Manager		TCP	81
Web		TCP	80
https		TCP	443
Trace		UDP	30011
Telnet		TCP	23
FTP		TCP	21
FTP DATA		TCP	100-1000
Endpoint/ H.323	Gatekeeper	UDP	1719
	RAS	UDP	1720
	Q.931 Socket	TCP	1720
	H.245 Socket	TCP	1730-1749
	Live Broadcast	TCP	1800-1819
	Audio / Video Data	UDP	2000-2199
Media	On demand Protocol	TCP	554
	On Demand Archive	TCP (optional)	554
	On Demand Archive	UDP(optional)	Random (for source port)

Notes Regarding On Demand Archive

The UDP ports used for on demand archives are randomly chosen. There are two ways to configure firewalls and Windows Media Player for usage with Polycom® RSS™ 4000 on demand archives.

1. Open an outbound UDP port range matching what is used by Windows Media Player, or open all UDP ports outbound from Polycom® RSS™ 4000 to effectively bypass the firewall for outbound traffic. Also open the port range used by Windows Media Player for inbound traffic to the viewing PC. This range is configurable in Windows Media Player, as seen in Figure 1 (Windows Media Player defaults shown). The user can check RTSP/UDP, check 'Use ports' and define the port range.
2. Disable UDP connections in Windows Media Player to force a TCP-only connection. This configuration utilizes only TCP port 554. As seen in Figure 2, disabling RTSP/UDP removes the user's ability to specify a port range and forces all connections to use TCP 554 only.

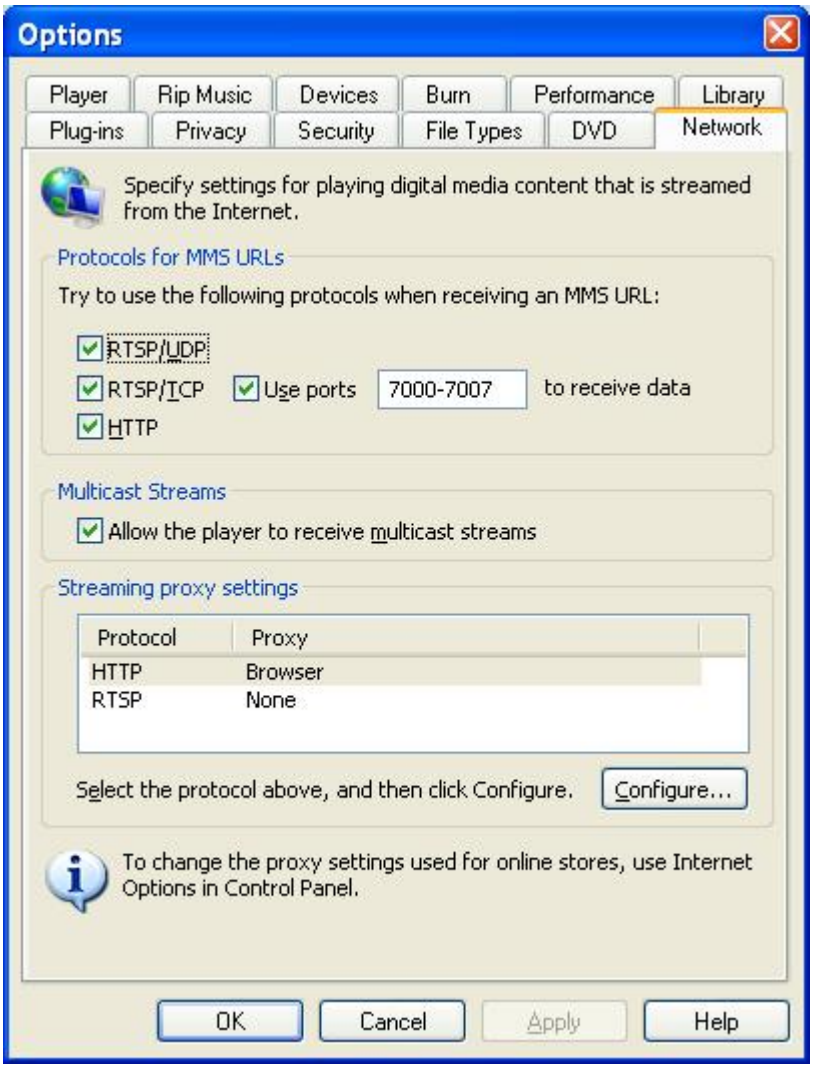


Figure 1 Enable RTSP/UDP

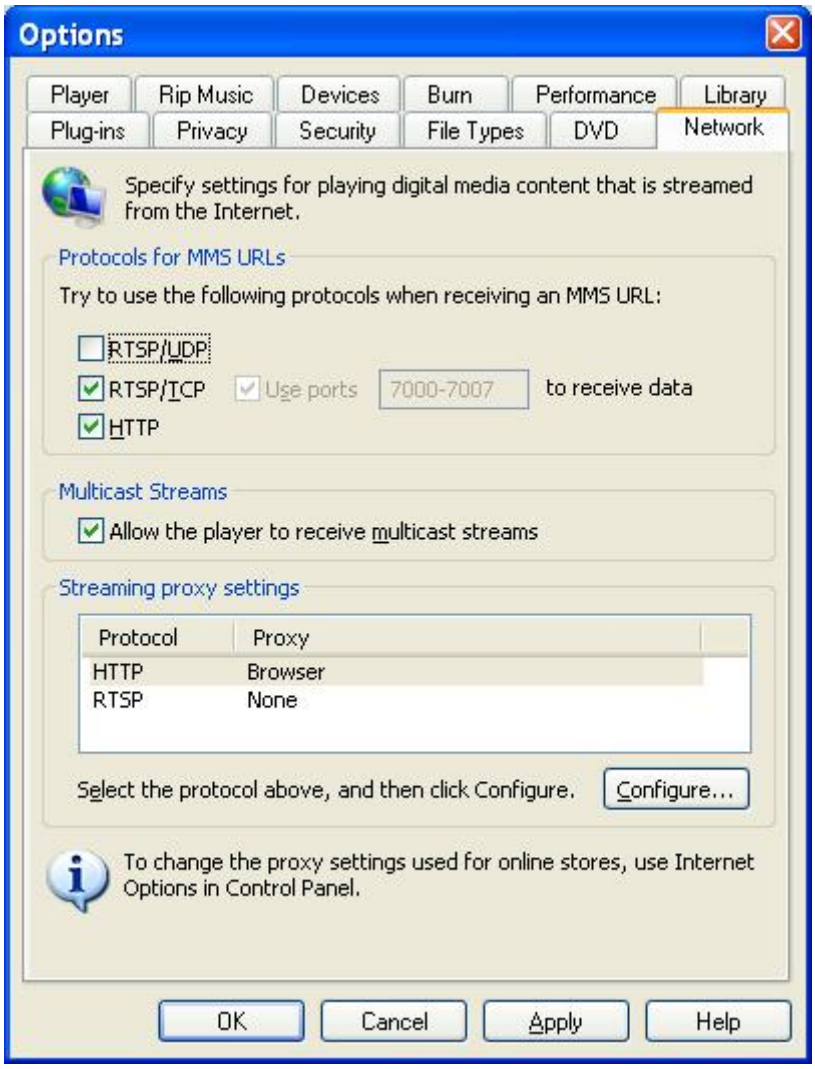


Figure 2 Disable RTSP/UDP