


## Configuring the Codian MCU 4501 Configuration

### Login Information—1 of 1

MCU 4501  
host: **MCU53** login: **admin**  
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**Cisco**

MCU 4501

#### Login information

Logged in as: **admin**  
Privilege level: **administrator**  
Last successful login time: **00:24, July 23 2012**  
Unsuccessful login attempts since the previous login: **0**


[Change login](#)

[Change password](#)

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## Software Version—1 of 1

MCU 4501  
host: **MCU53** login: **admin**

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Conferences H.323 SIP Streaming Content Encryption Media ports User interface Time Security **Upgrade** Shutdown 

### Firmware updates

#### Main software image

Current version **4.3(2.30)**

New image file

**For normal upgrades.**

#### Loader software

Current version **1.0(0.1)**

New image file

**Only for use with upgrades under the guidance of Cisco customer support.**

### Back up and restore

#### Back up configuration

**Warning: backup file may contain sensitive information about your system.**

#### Restore configuration

Overwrite settings  Network settings  User settings

Backup file to be restored

**Warning: back up current system configuration prior to attempting a restore operation.**

### Feature management

#### Feature management

Activated features **MCU 4501 activation** (V1TG5-YQ0BD-C5BDG-M67GX)


**Web conferencing** (V6NG5-Y5PQJ-WJ854-UAMWE) [remove](#)

**Encryption** (VX8G5-Y7Y5R-U0HPW-NVV97) [remove](#)

Activation code

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# Status General—1 of 1

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[Home](#) > [Status](#) > **General**

**General** | [Conferences](#) | [Health](#) | [Security](#)

**System status**

Model **Cisco TelePresence MCU 4501**  
Serial number **SM004213**  
Software version **4.3(2.30)**  
Build **6.18(2.30)**  
Uptime **3 days, 7 hours, 0 minutes**  
Host name **MCU53**  
IP address **192.168.71.53**  
CPU load **0.1%**  
Media processing load **0% (video-0%, audio-0%)**

**System time**

Current time **00:26, July 23 2012**  
[New time](#)

**System log**

**17:25:26.00 19/07/12 - User requested shutdown**  
**17:20:29.00 19/07/12 - User requested upgrade**  
**01:44:39.00 12/07/12 - Cold boot**


**Diagnostic information**

[Download diagnostic information](#)

[Download conference information](#)

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# Status Conferences—1 of 1

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**General** **Conferences** **Health** **Security**

**Conference status**

- Active conferences **0**
- Active auto attendants **0**
- Completed conferences **8**
- Completed auto attendants **0**
- Active conference participants **0**
- Previous conference participants **24**
- Active streaming viewers **0 (0) / 12**
- TCP streaming viewers **0 (0) / 12**
- ConferenceMe users connected **0 (0) / 6**
- Reserved video ports **0 (3) / 6**
- Reserved audio-only ports **0 (0) / 6**
- Reserved streaming and content ports **0 (2) / 6**
- Reserved video ports in use **0 (3) / 6**
- Reserved audio-only ports in use **0 (0) / 6**
- Reserved streaming and content ports in use **0 (2) / 6**

**Video status**


- Incoming video streams **0 (3) unicast**
- Outgoing video streams **0 (3) unicast**
- Total incoming video bandwidth **0 bit/s (6.00 Mbit/s)**
- Total outgoing video bandwidth **0 bit/s (11.8 Mbit/s)**

**Audio status**

- Incoming audio streams **0 (3) unicast**
- Outgoing audio streams **0 (3) unicast**

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# Network Port A config—1 of 1



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Port A
Port B
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Routes
Services
SNMP
QoS
SSL certificates
Connectivity

**Port A IP configuration**

**IPv4 configuration**

IP configuration Manual

**Manual configuration**

IP address

Subnet mask

Default gateway

**IPv6 configuration**

IP configuration Disabled

**Manual configuration**

IPv6 address

Prefix length

Default gateway

**Port A IP status**

DHCP **<not in use>**

IP address **192.168.71.53**

Subnet mask **255.255.255.128**

Default gateway **192.168.71.1**

DHCPv6 **<not in use>**

IPv6 address **<not in use>**

IPv6 default gateway **<not in use>**

IPv6 link-local address **<not known>**

**Port A Ethernet configuration**

Ethernet settings Automatic

**Manual configuration**

Speed 100 Mbit/s **Use automatic negotiation if 1000 Mbit/s required**

Duplex Full duplex

**Port A Ethernet status**

Link status **up**

Speed **1000 Mbit/s**

Duplex **Full duplex**

MAC address **00:0D:7C:00:84:26**

Packets sent **9586308**

Packets received **13546787**

Multicast packets sent **0**

Multicast packets received **3707340**

Total bytes sent **9943038981**

Total bytes received **9194382814**

Receive queue drops **0**

Collisions **0**


Transmit errors **0**

Receive errors **0**

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# Network DNS Config—1 of 1

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[Home](#) > [Network](#) > **DNS**

Port A   Port B   **DNS**   Routes   Services   SNMP   QoS   SSL certificates   Connectivity 

### DNS configuration

DNS configuration	Manual
Host name	MCU53
Name server	192.168.71.30
Secondary name server	172.20.2.181
Domain name (DNS suffix)	RE18Lab.com


### DNS Status

Host name	<b>MCU53</b>
Name server	<b>192.168.71.30</b>
Secondary name server	<b>172.20.2.181</b>
Domain name (DNS suffix)	<b>RE18Lab.com</b>

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# Network Routes Config—1 of 1


MCU 4501

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Port A Port B DNS Routes Services SNMP QoS SSL certificates Connectivity
i

**Port preferences**

IPv4 gateway preference  Port A  Port B  
 IPv6 gateway preference  Port A  Port B

**Add IP route**

IP address / mask length  /

Route  Port A  Port B  Gateway


**IPv4 routes**

Destination	Gateway	Port	Type
192.168.71.0/25	-	A	Automatic
Default	192.168.71.1	A	Automatic

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Network Services Config—1 of 1




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		Port A
TCP service		IPv4
Web	<input checked="" type="checkbox"/>	80
Secure web	<input type="checkbox"/>	443
Incoming H.323	<input checked="" type="checkbox"/>	1720
SIP (TCP)	<input checked="" type="checkbox"/>	5060
Encrypted SIP (TLS)	<input type="checkbox"/>	5061
Streaming (Windows Media Player)	<input checked="" type="checkbox"/>	1755
Streaming (other)	<input checked="" type="checkbox"/>	554
FTP	<input checked="" type="checkbox"/>	21
ConferenceMe	<input type="checkbox"/>	81


  

		Port A
UDP service		IPv4
SNMP	<input type="checkbox"/>	161
SIP (UDP)	<input checked="" type="checkbox"/>	5060
H.323 gatekeeper	<input type="checkbox"/>	1719
Tunneled media	<input type="checkbox"/>	5082

Apply changes
Reset to default

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## Settings Conferences—1 of 2


Cisco		MCU 4501
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<a href="#">Home</a> > <a href="#">Settings</a> > <a href="#">Conferences</a>		
		
<b>Conferences</b> <a href="#">H.323</a> <a href="#">SIP</a> <a href="#">Streaming</a> <a href="#">Content</a> <a href="#">Encryption</a> <a href="#">Media ports</a> <a href="#">User interface</a> <a href="#">Time</a> <a href="#">Security</a> <a href="#">Upgrade</a> <a href="#">Shutdown</a>		
Conference settings		
Maximum video size	Receive MAX, transmit MAX	
Motion / sharpness tradeoff	Favor sharpness	
Transmitted video resolutions	Allow all resolutions	
Default bandwidth from MCU	4.00 Mbit/s	
Default bandwidth to MCU	<same as transmit>	
Default view family	1 focused pane, many small panes	
Use full screen view for two participants	Disabled	
Active speaker display	Red border	
Media port reservation	Disabled	
Audio notifications	<input checked="" type="checkbox"/> Conference timing <input checked="" type="checkbox"/> Conference status <input checked="" type="checkbox"/> Join and leave indications <input checked="" type="checkbox"/> Important participant <input checked="" type="checkbox"/> Unsecured conferences	
Overlaid icons	<input checked="" type="checkbox"/> Tunneled camera control <input checked="" type="checkbox"/> Layout changes <input checked="" type="checkbox"/> Streaming participants <input checked="" type="checkbox"/> Recording indicator <input checked="" type="checkbox"/> Audio participants <input checked="" type="checkbox"/> Media quality	
Overlaid text	<input checked="" type="checkbox"/> Conference status <input checked="" type="checkbox"/> Conference timing <input checked="" type="checkbox"/> Join and leave indications <input checked="" type="checkbox"/> Text messages <input checked="" type="checkbox"/> Content channel text chat	
Overlaid logo duration	5 seconds	
Conference welcome message	<input type="text"/>	
Conference welcome message duration	<never show> no message set	
Time to show participant names	5 seconds	
Advanced settings		
Audio codecs from MCU	<input checked="" type="checkbox"/> G.711 <input checked="" type="checkbox"/> G.722 <input checked="" type="checkbox"/> G.722.1 <input checked="" type="checkbox"/> G.728 <input checked="" type="checkbox"/> G.729 <input checked="" type="checkbox"/> G.723.1 <input checked="" type="checkbox"/> Polycom(R) Siren14(TM) <input checked="" type="checkbox"/> G.722.1 Annex C <input checked="" type="checkbox"/> AAC-LD <input checked="" type="checkbox"/> AAC-LC	
Audio codecs to MCU	<input checked="" type="checkbox"/> G.711 <input checked="" type="checkbox"/> G.722 <input checked="" type="checkbox"/> G.722.1 <input checked="" type="checkbox"/> G.728 <input checked="" type="checkbox"/> G.729 <input checked="" type="checkbox"/> G.723.1 <input checked="" type="checkbox"/> Polycom(R) Siren14(TM) <input checked="" type="checkbox"/> G.722.1 Annex C <input checked="" type="checkbox"/> AAC-LD <input checked="" type="checkbox"/> AAC-LC	
Video codecs from MCU	<input checked="" type="checkbox"/> H.261 <input checked="" type="checkbox"/> H.263 <input checked="" type="checkbox"/> H.263+ <input checked="" type="checkbox"/> H.263 interlaced <input checked="" type="checkbox"/> H.264	
Video codecs to MCU	<input checked="" type="checkbox"/> H.261 <input checked="" type="checkbox"/> H.263 <input checked="" type="checkbox"/> H.263+ <input checked="" type="checkbox"/> H.263 interlaced <input checked="" type="checkbox"/> H.264	
ClearVision	<input checked="" type="checkbox"/>	
Video transmit size optimization	Dynamic codec and resolution	
Video resolution selection mode	Default	
Video format	NTSC - 30 fps	
Maximum transmitted video packet size	1400 bytes	
Interlaced video optimization	<input type="checkbox"/>	
Video receive bit rate optimization	<input checked="" type="checkbox"/> (required by media port mode)	
Flow control on video errors	<input checked="" type="checkbox"/> (required by media port mode)	

## Settings Conferences—2 of 2

Don't see yourself in small panes	<input checked="" type="checkbox"/>
Don't duplicate in small panes	<input checked="" type="checkbox"/>
Automatically make content channel important	<input type="checkbox"/>
Loudest speaker pane placement behavior	Allow duplication of placed participants in small panes only ▾
Pane rolling interval	5 seconds ▾
Maximum height of participant name within pane	20 %
Voice switching sensitivity	50 %
Additional audio delay relative to video	0 ms ▾
Incoming calls to unknown conferences or auto attendants	Default auto attendant ▾
Failed preconfigured participants redial behavior	Default ▾
Conferences remain locked when empty	<input type="checkbox"/>
Use conference name as caller ID	<input type="checkbox"/>
Require H.323 gatekeeper callers to enter PIN	<input checked="" type="checkbox"/>
Require a PIN for ad hoc conferences	<input type="checkbox"/>
Minimum required PIN length for ad hoc conferences	1
Time to wait when setting up ad hoc conference PIN	10 seconds ▾
Advertise out of band DTMF	<input checked="" type="checkbox"/>
Enable resolutions above CIF to be sent to Cisco Unified CM	<input checked="" type="checkbox"/>
Enable transmission of 60fps	<input type="checkbox"/>


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## Settings SIP—1 of 1

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### SIP


SIP registrar usage	Disabled ▾
SIP registrar domain	<input type="text"/>
SIP registrar type	Standard SIP ▾
Username	<input type="text"/>
Password	<input type="password"/>
Allow numeric ID registration for conferences	<input type="checkbox"/>

### SIP call settings

SIP proxy address	<input type="text"/>
Maximum bit rate from Microsoft OCS/LCS clients	768 kbit/s ▾
Outgoing transport	<input checked="" type="radio"/> UDP <input type="radio"/> TCP <input type="radio"/> TLS
Use local certificate for outgoing connections and registrations	<input type="checkbox"/>


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## Settings Content—1 of 1

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Conferences H.323 SIP Streaming **Content** Encryption Media ports User interface Time Security Upgrade Shutdown 

Content	
Content status	Enabled
Display content in normal video channel	Enabled
Video fast update request filtering	Disabled
Web viewing applet bandwidth	384 kbit/s
Markup of content channel video	Enabled
Automatic content handover	Disabled

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## Settings Media Ports—1 of 1

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**Media port allocation**

Media port mode


**Selected option**

- Full high definition video ports **0**
- High definition plus video ports **0**
- High definition video ports **6**
- Standard definition video ports **0**
- Dedicated streaming and content ports **6**
- Additional audio ports **6**

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# Settings NTP host—1 of 1

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### System time

Current time **01:09, July 23 2012**

New time  :  New date

### NTP

Enable NTP  **Synchronised**

UTC offset

NTP host

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## Settings disable Encryption—1 of 1

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**Encryption**  
Encryption status   
SRTP encryption

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## Settings Security—1 of 1

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### Security settings

Advanced account security mode

Redirect HTTP requests to HTTPS  **Note: requires both HTTP and HTTPS services to be enabled**

Idle web session timeout  minutes

### Serial console settings

Hide log messages on serial console

Disable serial console input during startup

Require administrator login

Idle serial console session timeout  minutes

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