Helios IP settings
with Cisco Unified Communications Manager 6.0.1 (CUCM)

Helios IP settings

Advanced Settings / SIP Settings
1. **Display name** - the name to be displayed to the called party
2. **User ID** - the user ID for registration
3. **Domain** - the domain name or IP address of the CUCM
4. **Use auth ID** - set whether Helios IP should use for authorisation the authorisation ID or user ID
5. **Auth ID** - the authorisation ID to be used for authorisation if the Use authorisation ID parameter is set to Yes.
6. **Password** - the password to be used for authorisation during registration and calling
7. **Local SIP port** - set the communication port to be used for SIP signalling by Helios IP
8. **Send keepalive packets** - Set whether or not Helios IP should periodically query about the state of the called station using the SIP OPTIONS requests during a call. Use this option to detect a disconnected or defective station
9. **Initial RTP port** - set the initial port for the range of 60 RTP ports to be used for audio and video transfers
10. **Proxy address** - the IP address of the CUCM
11. **Proxy port** - the CUCM SIP signalling port
12. **Register Helios IP** - set whether Helios IP should register at the CUCM
13. **Registration expires** - Set the minimum time for Helios IP registration attempts, with CUCM should be 120s at least
14. **Registrar address** - the IP address of the CUCM
15. **Registrar port** - the CUCM SIP signalling port

Advanced Settings / Video Codecs
1. **RTP Payload type** - set the Media Format value of the Media attribute (a) in the SDP part of the INVITE message. CUCM requires one of this value to be disabled (set-up value 0). Tested values are given in the table
2. **Polycom compatibility mode** – sets compatibility of SDP messages with some Polycom and Cisco phones. With this mode on, Helios IP does not include the sendonly flag in the codec specification for video streams

Phone	RTP (1):99, RTP (2):0	RTP (1):0, RTP (2):99	RTP (1):125, RTP (2):0	RTP (1):0, RTP (2):125	RTP (1):124, RTP (2):123	Notice
7985 Tandberg	❌	✅ Polycom comp. On	❌	✅ Polycom comp. On	❌	
Cisco IP Communicator	✅	✅	✅	✅	✅	
CounterPath Bria	✅	❌	✅	❌	❌	
Grandstream GXV-3140	✅	✅	✅	✅	❌	It is necessary to set-up H.264 Payload Type in Codec Settings
Pangolin	❌	❌	✅	✅	❌	
Yealink VP-2009	✅	✅	❌	❌	❌	

Helios IP settings example

Cisco Unified Communications Manager settings

Add New End User

User Management / End User / Add New

Add New Phone

Device / Phone / Add New, choose type Third-party SIP Device (Advanced)
1. **MAC Address** - MAC address of Helios IP. This address could be found on Helios IP package or on the Information page of the administration web server
2. **Description** - phone description
3. **Device pool** - choose pool of devices with the same settings, like codecs
4. **Phone Button Template** - choose Third-party SIP Device (Advanced) or equivalent
5. **Common Phone Profile** - Standard Common Phone Profile
6. **Location** - choose profile, which determines reserved bandwith for given device etc. Default setting is Hub None
7. **Calling Search Space** - determines address space for Helios IP number
8. **Owner User ID** - assigns Helios IP to the user
9. **Device Security Profile** - choice of profile with security - for Helios IP Third-party SIP Device Advanced should be chosen - Standard SIP Non-Secure Profile. In this profile registration port is set (default 5060).
10. **SIP Profile** - Standard SIP Profile (or equivalent)
11. **Digest User** - choice of a user, whose User ID and password will be set in Helios IP for SIP authentication at CUCM

System ▾   Call Routing ▾   Media Resources ▾   Voice Mail ▾   Device ▾   Application ▾   User Management ▾   Bulk Administration ▾   Help ▾

Phone Configuration

🖫 Save   ❌ Delete   📄 Copy   🔄 Reset   ➕ Add New

Status
ⓘ Status: Ready

Association Information

Modify Button Items

1 Line [1] - 3636 in TestTeam
2 Line [2] - Add a new DN
3 Line [3] - Add a new DN
4 Line [4] - Add a new DN
5 Line [5] - Add a new DN
6 Line [6] - Add a new DN
7 Line [7] - Add a new DN
8 Line [8] - Add a new DN

Phone Type

Product Type: TypeModel.MODEL_THIRD_PARTY_SIP_DEVICE_ADVANCED
Device Protocol: TypeDeviceProtocol.DEVICE_PROTOCOL_SIP

Device Information

Registration	Registered with Cisco Unified Communications Manager 192.168.22.37
IP Address	192.168.22.212
MAC Address*	0050C29BF3BB
Description	Helios IP TT
Device Pool*	Default ▾ View Details
Common Device Configuration	< None > ▾ View Details
Phone Button Template*	Third-party SIP Device (Advanced) ▾
Common Phone Profile*	Standard Common Phone Profile ▾
Calling Search Space	TestTeam ▾
AAR Calling Search Space	TestTeam ▾
Media Resource Group List	< None > ▾
Location*	Hub_None ▾
AAR Group	< None > ▾
Device Mobility Mode*	TypeStatus.STATUS_DEFAULT ▾ View Current De
Owner User ID	3636 ▾

☐ Retry Video Call as Audio
☐ Ignore Presentation Indicators (internal calls only)
☑ Logged Into Hunt Group
☐ Remote Device

Protocol Specific Information

Presence Group*	Standard Presence group ▾
MTP Preferred Originating Codec*	TypeSIPCodec.C_711_ULAW ▾
Device Security Profile*	Third-party SIP Device Advanced - Standard SIP N ▾
Rerouting Calling Search Space	TestTeam ▾
SUBSCRIBE Calling Search Space	TestTeam ▾
SIP Profile*	Standard SIP Profile ▾
Digest User	3636 ▾

☐ Media Termination Point Required
☐ Unattended Port
☐ Require DTMF Reception

Helios IP telephone number settings

Is configured in a window with Helios IP device - Directory Number for Line [1].

Registration Status check

In menu Device / Phone, after phone search, information about Helios IP registration will be shown.