

# TANDBERG MXP F8.x and TC2.x

## Layer 4 Ports Usage for H.323 calls

The layer 4 ports used by the system in a H.323 call can be defined as follows:

- Dynamic: The ports are allocated at random from 2048 to 65535.
- Dynamic H323 ports are allocated at random from 11000 to 65535.
- Static: Will use the predefined layer 4 ports listed in the tables below.

<b>MXP MultiSite + DuoVideo</b>		
<b>Function</b>	<b>Port</b>	<b>Type</b>
Gatekeeper Discovery (RAS)	1719	UDP
Q.931 Call Setup	1720	TCP
H.245*	Range 5555-5574	TCP
Video	Range 2326-2487	UDP
Audio	Range 2326-2487	UDP
Data/FECC	Range 2326-2487	UDP

  

<b>TC MultiSite + DuoVideo</b>		
<b>Function</b>	<b>Port</b>	<b>Type</b>
Gatekeeper Discovery (RAS)	1719	UDP
Q.931 Call Setup	1720	TCP
H.245*	Range 5555-6555	TCP
Video	Range 2326-2487	UDP
Audio	Range 2326-2487	UDP
Data/FECC	Range 2326-2487	UDP

\* While using MultiSite, if a site is disconnected and reconnected without terminating the entire conference, the next site to be connected will have a H.245 port outside of the specified range. If this functionality is required through a firewall, the range of TCP ports can be extended past 5574. However, if a site is disconnected and reconnected, without ending the conference enough times one can quickly end up outside of this range again.

## Information for NAT usage

The “Inside” and “Outside” IP addresses are needed  
The Ports above will need to be forwarded to the Inside IP address

### Codec Settings MXP

- ‘Inside’ IP Address is IP Address of Codec  
(Control Panel → Network → LAN Settings → IP Settings)
- ‘Outside’ IP Address is set in NAT Address  
(Control Panel → Network → LAN Settings → H.323 Settings → Advanced H.323 Settings)
- Set NAT to ‘ON’ or ‘AUTO’  
(Control Panel → Network → LAN Settings → H.323 Settings → Advanced H.323 Settings)

### Codec Settings C-Series

- ‘Inside’ IP Address is IP Address of Codec  
(Advanced Configuration → Network 1 → IPv4)
- ‘Outside’ IP Address is set in NAT Address  
(Advanced Configuration → H323 → NAT → Address)
- Set NAT to ‘ON’ or ‘AUTO’  
(Advanced Configuration → H323 → NAT → Mode)