Required port numbers
AUDAC technical support

Device port numbers

Connection			Device												
Description	Protocol	Addressing	R2	M2	MTXxx	XMP	APC100	IMP40	NMP40	AMP523 /RM523	ARU2xx	AMP203	MFA	ANIxx	ANX
Announce, device discovery	UDP	Broadcast	30303	30303	30303	30303	30303	-	-	30303	30303	8711, 8712	30303	-	-
Webinterface	TCP	Unicast	80	80	80	80	80	-	-	80	80	-	80	-	-
Flash policy server	TCP	Unicast	843	843	843	-	843	-	-	843	-	-	-	-	-
Control	TCP	Unicast	5001	5001	5001	5001	5001	-	-	5001	5001	-	5001	-	-
Control	UDP	Unicast, Multicast 239.254.222.222, Broadcast	-	-	-	-	-	-	-	-	-	8711, 8712	-	8711, 8712	8711, 8712
IP Settings	TCP	Unicast	5002	5002	5001	5001	5002	-	-	5001	5001	*(2)	5001	*(2)	*(2)
Webserver update (TFTP)	UDP	Unicast	69	69	69	69	69	-	-	69	69	-	TBD	-	-
NTP timeserver	UDP	Unicast	123	123	123	123	123	-	123	-	123	-	123	-	-
vTuner link request	TCP	Unicast	-	-	-	-	-	80	-	-	-	-	-	-	-
Internet Radio stream	TCP	Unicast	-	-	-	-	-	*(1)	-	-	-	-	-	-	-
Internet radio station database update	TCP	Unicast	-	-	-	-	-	80	-	-	-	-	-	-	-
Spotify mDNS	UDP	Multicast 224.0.0.251	-	-	-	-	-	-	5353	-	-	-	-	-	-
Spotify ZeroConf	TCP	Unicast	-	-	-	-	-	-	54300-54309	-	-	-	-	-	-
Spotify Streaming	TCP	Unicast	-	-	-	-	-	-	80, 443, 4070	-	-	-	-	-	-
SoundtrackYourBrand Streaming	TCP	Unicast	-	-	-	-	-	-	53, 80, 443	-	-	-	-	-	-
SoundtrackYourBrand Streaming	UDP	Unicast	-	-	-	-	-	-	53, 123	-	-	-	-	-	-
OTA updates	TCP	Unicast	-	-	-	-	-	-	443	-	-	-	-	-	-
Dante audio support	-	-	-	-	-	-	-	-	-	-	-	*(2)	-	*(2)	*(2)

(1)   Depending on radio station and server. The stream server used by vTuner can differ from the stream server info found on the radio station website, as a result the port numbers can also differ. To be sure check the radio station website for a stream server link and port information, add this stream server link to your IMP40 favorites and open this port number in your network infrastructure.

(2)   See Dante ports overview page: https://www.audinate.com/faq/which-network-ports-does-dante-use

AUDAC Touch™ port numbers

To control a device by AUDAC Touch™ all device port numbers above must be open.

Software	
AUDAC Touch™	**AUDAC Touch™ 2**
7984,7985	80, 443

Finding an NTP server

If your network has any restrictions, it is recommended to contact your network management to obtain the NTP address for the network you are connecting to, if the network is unmanaged or has no port restrictions then to find the IP address relative to you simply ping the address as shown below.

"europe.pool.ntp.org"

"asia.pool.ntp.org"

"oceania.pool.ntp.org"

"north-america.pool.ntp.org"

"south-america.pool.ntp.org"

"africa.pool.ntp.org"

```
U:\>ping europe.pool.ntp.org

Pinging europe.pool.ntp.org [212.83.145.32] with 32 bytes of data:
Reply from 212.83.145.32: bytes=32 time=23ms TTL=51
Reply from 212.83.145.32: bytes=32 time=24ms TTL=51
Reply from 212.83.145.32: bytes=32 time=23ms TTL=51
Reply from 212.83.145.32: bytes=32 time=24ms TTL=51
```

Use the IP address shown in your ping response.

Contact **support@pvs.global** for more information.