

# Required Port Numbers

Revision 1.3 – 21/08/2024



## Device port numbers

Connections			Device																
Description	Protocol	Addressing	M2/R2	MTX	XMP40	APC100	IMP40	NMP40	AMP523/ RM523	ARU2xx	AMP203	MFA	ANDX *{3}	ANX	LUNA	NPM200	NCP105	NWP	
Announcement Device Discovery	UDP	Broadcast	30303	30303	30303	30303	-	-	30303	30303	8711 8712	30303	-	-	-	-	-	8711 8712	8711 8712
Web Interface	TCP	Unicast	80	80	80	80	-	-	80	80	-	80	-	-	-	-	-	-	-
Flash Policy Server	TCP	Unicast	843	843	-	843	-	-	843	-	-	-	-	-	-	-	-	-	-
Control	TCP	Unicast	5001	5001	5001	5001	-	-	5001	5001	-	5001	-	-	5001 80	5001 80	-	-	-
Control	UDP	Unicast, Multicast 239.254.222.222 Broadcast	-	-	-	-	-	-	-	-	8711 8712	-	8711 8712	8711 8712	8711 8712 8713	8711 8712 8713	8711 8712	8711 8712	8711 8712
IP Settings	TCP	Unicast	5002	5001	5001	5002	-	-	5001	5001	*{2}	5001	*{2}	*{2}	-	-	-	-	-
Web Server Update (TFTP)	UDP	Unicast	69	69	69	69	-	-	69	69	-	-	-	-	-	-	-	-	-
NTP Time Server	UDP	Unicast	123	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	-	-	-	-	-	-	-	-	-	-	-
Soundtrack Your Brand Streaming	TCP	Unicast	-	-	-	-	-	53 80 443	-	-	-	-	-	-	-	-	-	-	-
Soundtrack Your Brand Streaming	UDP	Unicast	-	-	-	-	-	53 123	-	-	-	-	-	-	-	-	-	-	-
OTA Updates	TCP	Unicast	-	-	-	-	-	443	-	-	-	-	-	-	443	443	-	-	-
Dante Audio Support	-	-	-	-	-	-	-	-	-	-	*{2}	-	*{2}	*{2}	*{2}	*{2}	-	-	-
Sylog	UDP	Broadcast	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	514	514

(1) Depending on the 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 favourites and open this port number in your network infrastructure.

(2) See Dante ports overview page: [Which network ports does Dante use? | Dante \(getdante.com\)](https://www.getdante.com/which-network-ports-does-dante-use/)

(3) SMA, SMQ and PMQ series power amplifiers with DSP processors use the port number and protocol of the ANI44XT to receive ASCII commands.

## 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 [5.196.160.139] with 32 bytes of data:
Reply from 5.196.160.139: bytes=32 time=12ms TTL=50
Reply from 5.196.160.139: bytes=32 time=11ms TTL=50
Reply from 5.196.160.139: bytes=32 time=13ms TTL=50
Reply from 5.196.160.139: bytes=32 time=12ms TTL=50

Ping statistics for 5.196.160.139:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 11ms, Maximum = 13ms, Average = 12ms

U:\>
```

Use the IP address shown in your ping response.

Contact [support@pvs.global](mailto:support@pvs.global) for more information