

Minimal setup of the firewall

- **Outbond:**

- 19302 / TCP (to connect to STUN server, used by ICE in WebRTC).
- 20000-20100 / UDP (to show audio/video in WebRTC). This range can be reduced if necessary.
Note: we are using a range of 20000-20100 in our servers for video and audio streaming.
- 443 / TCP (to connect to our mixer in HTTPS).

If you want to send video to our servers, using our app or any other RTMP streamer, you have to open (outbound):

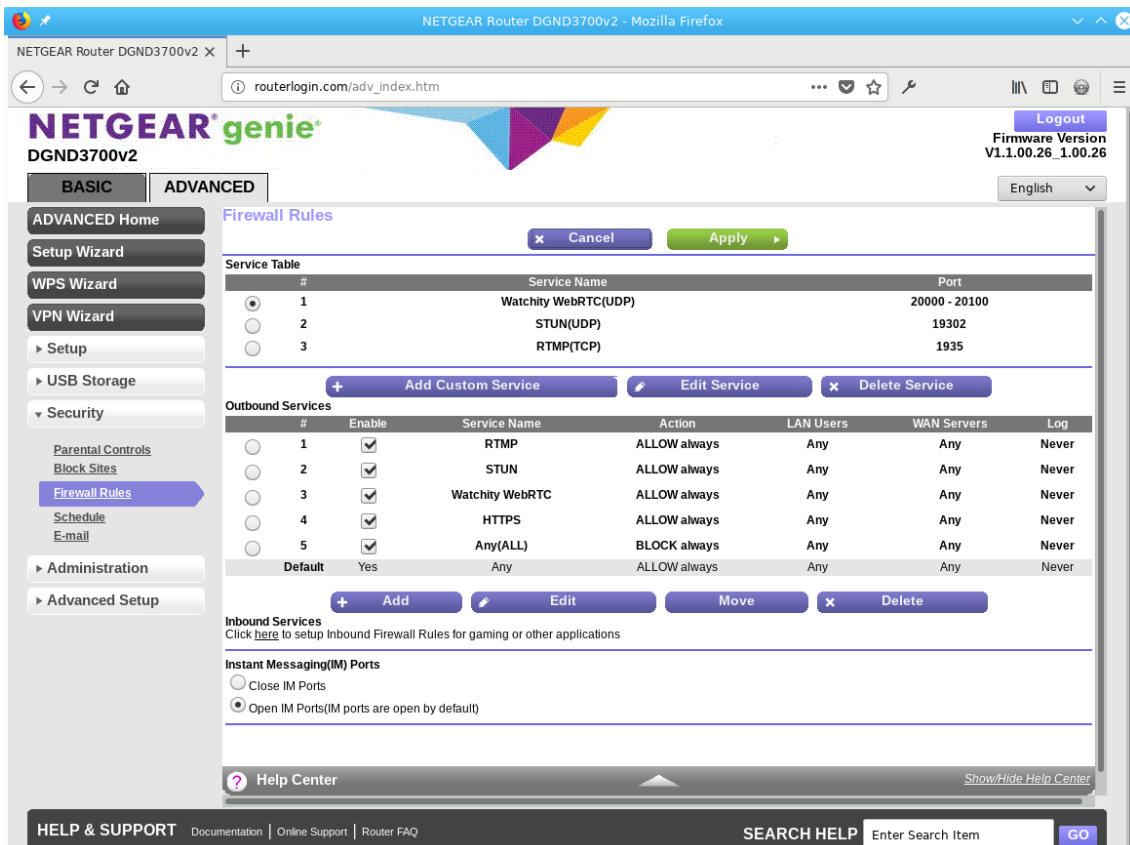
- 1935 / TCP

If you want to also restrict by IP address:

- stun.l.google.com 19302 / TCP
- .watchity.net 20000-20100 / UDP
- .watchity.com 443 / TCP
- .watchity.net 1935 / TCP

- **Inbond:**

There is no need to open inbound ports.



NETGEAR Router DGND3700v2 - Mozilla Firefox

routerlogin.com/adv_index.htm

NETGEAR[®] genie[™]
DGND3700v2

Logout
Firmware Version
V1.1.00.26_1.00.26

English

Firewall Rules

Cancel Apply

#	Service Name	Port
1	Watchity WebRTC(UDP)	20000 - 20100
2	STUN(UDP)	19302
3	RTMP(TCP)	1935

Add Custom Service Edit Service Delete Service

#	Enable	Service Name	Action	LAN Users	WAN Servers	Log
1	<input checked="" type="checkbox"/>	RTMP	ALLOW always	Any	Any	Never
2	<input checked="" type="checkbox"/>	STUN	ALLOW always	Any	Any	Never
3	<input checked="" type="checkbox"/>	Watchity WebRTC	ALLOW always	Any	Any	Never
4	<input checked="" type="checkbox"/>	HTTPS	ALLOW always	Any	Any	Never
5	<input checked="" type="checkbox"/>	Any(ALL)	BLOCK always	Any	Any	Never
Default	Yes	Any	ALLOW always	Any	Any	Never

Add Edit Move Delete

Inbound Services
Click [here](#) to setup Inbound Firewall Rules for gaming or other applications

Instant Messaging(IM) Ports

Close IM Ports

Open IM Ports(IM ports are open by default)

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Example of the setup in a commercial simple router.

Explanation to understand the configuration:

As each stream is using 4 ports (RTP video, RTCP video, RTP audio, RTCP audio) a range of 100 ports can be used to serve up to 25 a/v streams.

Considering that each mixer usually has 4 input cameras and one output, this setup would allow you to open up to 5 instances of the mixer.

If this is not enough or too much for you, we can adapt the range of ports.