

Configuring your PBX to accept calls from Barritel

Initial Requirements

Customers would need either a VoIP provider or their own SIP capable PBX.

We would not support 3rd party PBX systems and therefore cannot offer advice or any guidance as to what works. We can only provide our requirements, below, for you to then choose a suitable system.

Overview

Barritel only supports calls being sent to your PBX so only this needs to be configured.

Additionally, authentication is not supported so your PBX needs to be configured to accept calls from our IP addresses without requiring a username/password.

Configuration

SIP Trunk

Barritel may send calls from 7 possible addresses. It might be possible to configure a range of IP addresses 88.151.41.21-27 but otherwise individual trunks will need to be configured for each :-

gw1.barritel.com
gw2.barritel.com
gw3.barritel.com
gw4.barritel.com
gw5.barritel.com
gw6.barritel.com
gw7.barritel.com

Port: 5060

Any mention of registration, proxy or STUN is only applicable for outbound calls from the PBX and as these are not supported they are not relevant.

Firewall

UDP port 5060 needs to be permitted through your firewall from 88.151.41.21-27.

In addition the ports used for the call audio (RTP) needs to be permitted through from any source IP address. The ports used for RTP is something which is defined locally on the PBX and there are no standard values which are used.

Codecs

Barritel supports the following codecs shown below in preferred order.

G7.11 a-law

G.711 u-law

gsm

G.722

Speex 8Khz

Speex 16Khz

Speex 32Khz

The only requirement is to support G.711 a-law as this is what the UK telephone network uses and so the vast majority of calls will arrive in this format.

DTMF

DTMF is transmitted in RFC2833 format only.

FAX

T.38 is not supported. Any faxes being sent to the PBX will be sent over standard G.711 a-law audio. Barritel offers a fax to email services which you may prefer to use.