

## e-Bridge App Requirements (iOS)

### 1. Minimum System Requirements

- a. iOS device (iPhone, iPad or iPod Touch) running iOS v8.0 or later (as of e-Bridge v7.0)  
**Note: iPod Touch not recommended. GD has observed issues receiving push notifications for new messages if iPod is left idle for an extended period of time.**
- b. If any Mobile Device Management (MDM) software is used, access to microphone and camera must be allowed for sending voice, picture, video messages and/or live streaming video. iOS device must also be able to receive push notifications from Apple Push Notification service (APNs).

### 2. Network Requirements

The following ports need to be open in any firewalls between the iOS device and the internet for e-Bridge to communicate:

Port # (Protocol)	Direction	Destination
80 (TCP)	Outgoing	96.242.183.10 <b>Note:</b> This is for uploading log files to GD Tech Support for troubleshooting.
81 (TCP)	Outgoing	<a href="http://www.gdserver.net">http://www.gdserver.net</a> <b>Note:</b> This is for the Secure Messaging portion of the app.
5223 (TCP)	Outgoing	17.0.0.0 Netmask 255.0.0.0 <b>Note:</b> CIDR Notation for above: 17.0.0.0/8 <b>Note:</b> This is the entire address block registered to Apple. This is used for receiving push notifications on iOS devices. See <a href="https://support.apple.com/en-us/HT203609">https://support.apple.com/en-us/HT203609</a> for more info.
5060, 5061 (UDP/TCP)	Both	66.227.100.0 Netmask 255.255.255.0 199.7.172.0 Netmask 255.255.255.0 199.7.173.0 Netmask 255.255.255.0 199.7.174.0 Netmask 255.255.255.0 199.7.175.0 Netmask 255.255.255.0 <b>Note:</b> CIDR Notation for above: 66.227.100.0/24, 199.7.172.0/22 <b>Note:</b> This is for the Live Streaming portion of the app.
20000-20099 (UDP)	Both	66.227.100.0 Netmask 255.255.255.0 199.7.172.0 Netmask 255.255.255.0 199.7.173.0 Netmask 255.255.255.0 199.7.174.0 Netmask 255.255.255.0 199.7.175.0 Netmask 255.255.255.0 <b>Note:</b> CIDR Notation for above: 66.227.100.0/24, 199.7.172.0/22 <b>Note:</b> This is for the Live Streaming portion of the app.

For e-Bridge Live Streaming, only networks with a single Network Address Translation (NAT) layer are supported. If using Verizon Wireless hotspots they must be configured with a static, public IP address to eliminate a double NAT.