www.poctelecom.ch

Public Security

Transportaion / Logistics

Disaster Relief

Construction / Manufacturing

ProPTT2

Open Channel 02

CH. FREE
TOT 24   8

Robert

Individual / Club

Building management

Security / Patrol

Event/Exhibition Operation

Smart Video Push-To-Talk Service

The next generation of Push-To-Talk

v3.1

POC Ptt Over Cellular Telecom

ProPTT2
Professional Push-To-Talk

IMPTT
FOR THE NEXT COMMUNICATION

WORLD'S FIRST
VIDEO PUSH-TO-TALK SERVICE

ProPTT2

Beyond the limits of existing voice push-to-talk, we proposes various video push-to-talk service.

Mobile network(Wi-Fi, 3G, LTE) and smart devices-based,
this is a IP-Video PTT service that provides services with video/voice PTT, real-time video sharing PTT,
Text chat, transfer image, location sharing etc. and also it's voice PTT compatible with two-way radio.
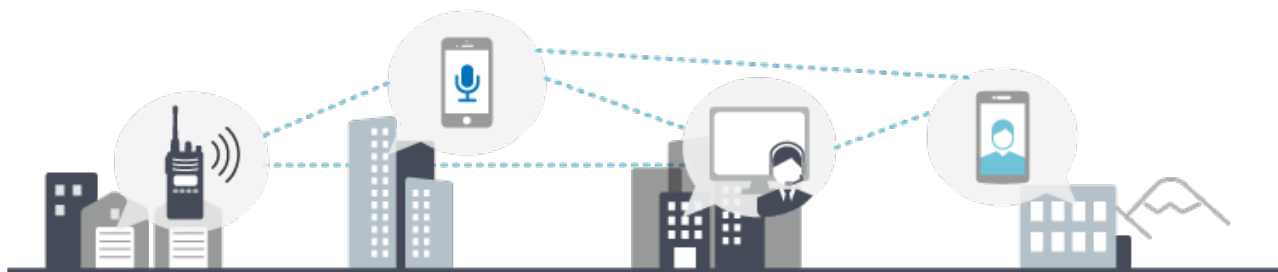
Wi-Fi/3G/LTE and Smart devices-based
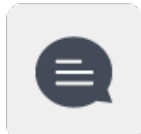# Various professional video push-to-talk service

| Smart Video Push-To-Talk

Video PTT (1:1,1:N)	Real-time Video Sharing PTT	Text chat (1:1,1:N)	Transfer images
User's location Sharing/Tracking	Interrupting PTT	SOS Message	Admin's Alert Message
Push-to-Talk History	Multi channel connection at same time		

For accurate situational awareness and rapid response

Real-time video sharing push-to-talk

| Smart Video Push-To-Talk

HD quality real-time video sharing between users

Voice push-to-talk and text chat during the Video Sharing

UVC camera(USB/Webcams)

Supports external UVC camera connection for useful video sharing

Voice PTT compatible with two-way radios

| Smart Video Push-To-Talk

ProGate
IP-PTT Gateway Device

ProGate is the RoIP(Radio over IP) gateway device that provides you voice PTT communication environment between IP based Push-To-Talk service and two-way radios(FRS, UHF, VHF, TRS).

ProGate Cable

ProPTT2 Server

2-way radio   2-way radio   ProGate

ProPTT2 Cloud Server

ProPTT2 Applications
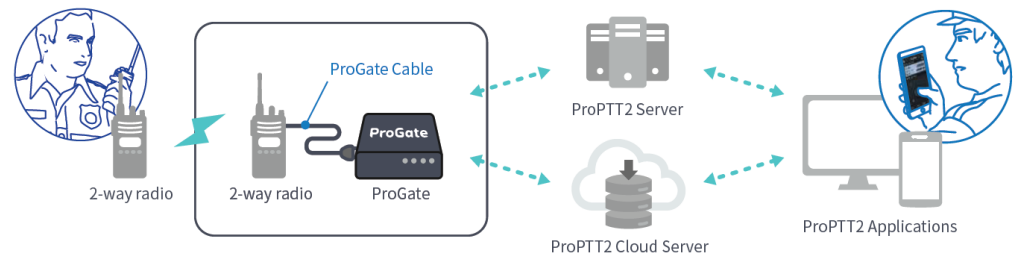
For useful push-to-talk,
Support various platforms and PTT devices
| Smart Video Push-To-Talk

Support video PTT applications of various platforms

- Smartphone App(iOS, Android)
- Embedded App(Android)
- Wearable App
- PC Client(Windows)

Has acquired GS certification(The first grade)

Support PTT dedicated devices

ProPTT2 supports various screen resolutions of PTT devices and also supports to use PTT button when the app is in background or the device is screen-off.
You can send/receive SOS messages each other by using SOS hard key.

※ You can connect and use the functions of ProPTT2 app to button of PTT phone.

Support various Bluetooth/wired accessories

| Bluetooth | Bluetooth Speaker Mic | Wired PTT headset |
| PTT button | with PTT button | |

World first video push-to-talk service
Major features and techniques
| Smart Video Push-To-Talk

Patent registered IP-based video push-to-talk
- Video-based PTT service, Support full real-time push-to-talk
- World first, support dual audio mode
  (VoIP of Full-Duplex/MP3 of Half-Duplex)
- High quality video/voice push-to-talk(Opus, H.264)

Professional video push-to-talk
- Video PTT, Real-time video sharing PTT
- Text chat/Transfer images, User's location sharing
- Interrupting PTT, Voice PTT batch transmission by admin,
  SOS/Alert message
- Multi channel connecting at same time, PTT history

Support user's convenience for push-to-talk
- Optimized PTT features and UI/UX for smart devices
  - Set external button as PTT features, Support various screen
  resolutions and using PTT button when screen is off
- Support various mobile/Bluetooth devices
  - PTT devices, Smart Watch, PTT Accessory, USB camera

Compatible with other's system
- Voice PTT compatible with two-way radios(RoIP gateway
  integration)
- Voice PTT compatible with SIP Phone(SIP gateway integration)
- Sharing video of IP-CCTV camera(RTSP integration)

Customizable PTT products for B2B customer
- On-premise Server Package(S/W), Sign up for cloud service(ASP)
- Support PTT system's bulk service with scalability for Many users
- Use video PTT app per user and administrator(iOS/Android,
  Windows)
- Real-time management for user and PTT channel's information

Strong security for video PTT service
- Support strong data encryption(OTP, SSL/TLS, AES/ARIA, E2EE)
- Support IMEI/Phone number authentication of smart devices
- Use PTT app in mobile network(3G, LTE) only

Support various customizing tool
- ProPTT2 SDK for development of video PTT app
- ProPTT2 OpenAPI, Plug-in for integration with B2B customer's
  system
- ProGate Firmware for production of RoIP gateway device
- Support changing B2B customer's logo image

Video PTT for global customer
- Global server farm for Cloud Service(Asia, North America, Europe)
- Download ProPTT2 app from App Store, Play Store and ProPTT2
  website(www.proptt2.com)
- Multi-language for global service(Up to 204 countries, 90
  languages)

3-1. Professional video push-to-talk application

Smartphone App | iOS, Android

| Smart Video Push-To-Talk

Support OS : iOS 8.1 or above, Android 4.0 or above
App Download : App Store/Play Store, ProPTT2 homepage

World first, Dual audio mode(MP3/VoIP)

- Support both VoIP mode of Full-Duplex and MP3 mode of Half-Duplex
- Support noise reduction and low-path filter during audio input/output for sound quality
- ※ ProPTT2 Android/Embedded app only

Optimized PTT features for smart devices

- Using PTT button when screen is off
- Set device's external button/keypad as PTT features
- VOX PTT and chat with voice recognition
- PTT widget and floating PTT button on screen
- Support wearable app(Apple Watch / Android wear)
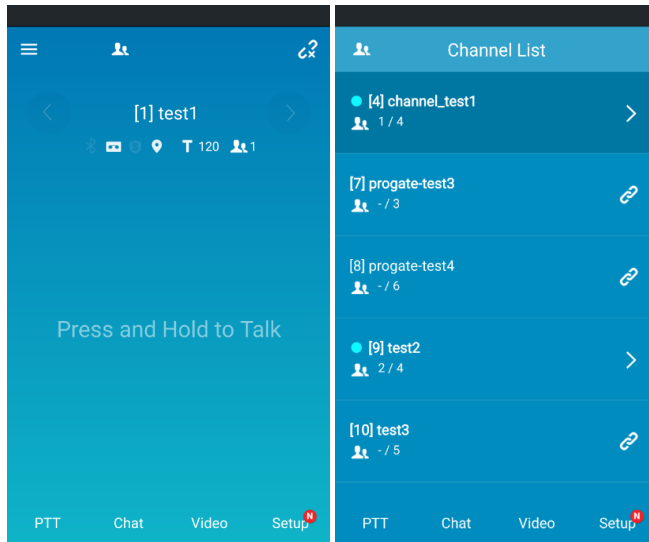
Professional video push-to-talk

- Interrupting PTT
- SOS/Alert message
- Real-time channel synchronization
- IMEI authentication of smart devices
- Use PTT app in mobile network(3G,LTE) only

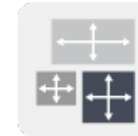# 3-2.Simple PTT application, Support multi screen resolution
Embedded App | Android

| Smart Video Push-To-Talk

Screen of ProPTT2 Embedded App

Support OS : Android 4.0 or above
App download : ProPTT2 homepage

Example of ProPTT2 Embedded App

PTT dedicated device

Android Tablet for auto

Android-based Watch

Fit to any screen
Support optimized app's UI for various screen resolution of smart devices
(Wearable, PTT devices with keypad, Android Tablet)

Simple user interface for video PTT
Removed the visible "PTT button" of app and simplified App UI for easy and convenient

Handy PTT with screen touch
Just push the main screen to transmit PTT and don't worry about pressing the wrong button in a small size screen

Support KIOSK mode
Embedded App Always on Foreground
Support kiosk mode that make the app stay in foreground status for instant push-to-talk.

Lock your push-to-talk setting
Lock your own Push-To-Talk settings to keep it not be arbitrarily changed while using the app.
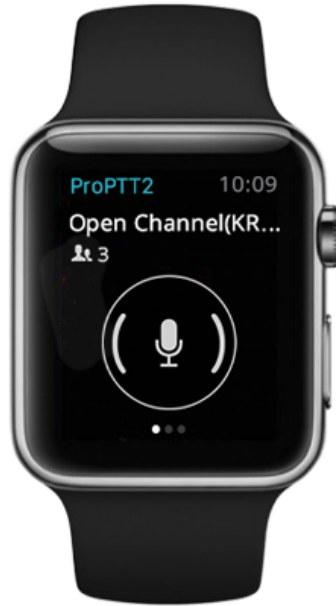
3-3.Push-to-talk with your wearable devices

Wearable App | Apple Watch & Android Wear

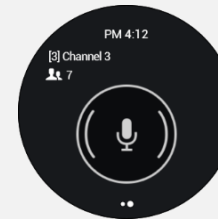| Smart Video Push-To-Talk

android wear
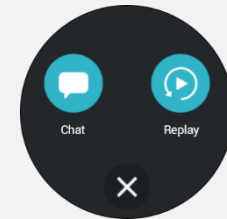
Android OS 6.1 or above
Android Wear 1.4 or above

WATCH

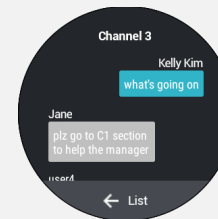*iOS 9.0 or above*
Apple Watch Series 2(Watch OS 3) only

Your wearable device paired with your smartphone can be used as a PTT button via ProPTT2 Wearable App.
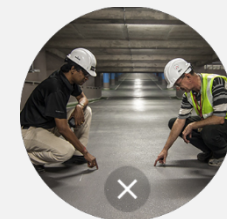

Transmit voice PTT

Replay last PTT
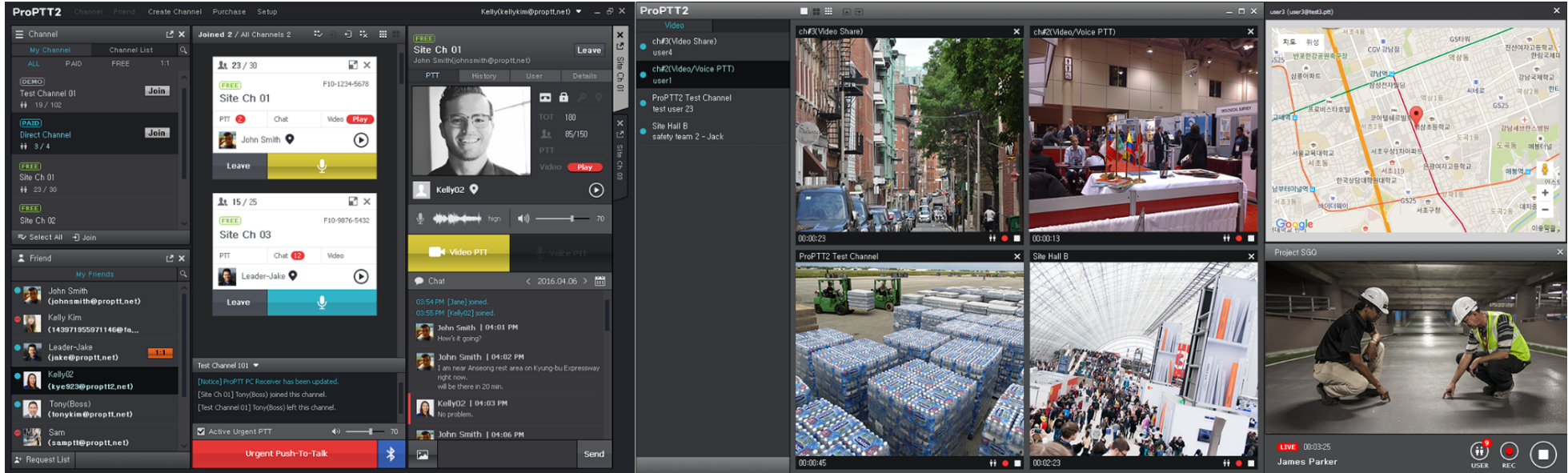
Recent chat

chat > view image

Features of ProPTT2 Wearable App

3-4. Administrator's video push-to-talk program
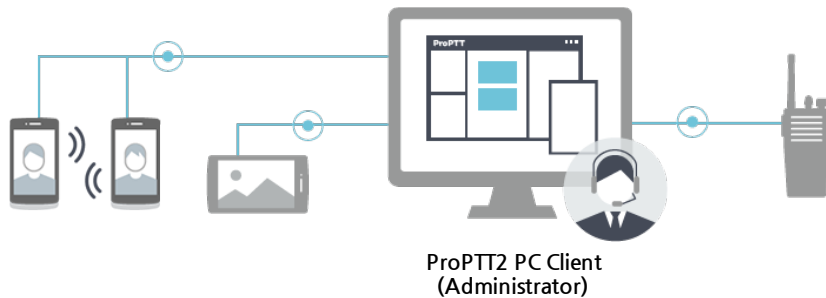# PC Client | Windows

| Smart Video Push-To-Talk

Support OS : Windows 7.0 or above, IE 11 or above
App download : ProPTT2 homepage

ProPTT2 PC Client
(Administrator)

For Administrator, ProPTT2 video PTT program(PC Client)

- **Connect up to 64 PTT channels at same time**
  - 1:1, 1:N Video/Voice PTT, Text chat, Transfer images
  - View user's PTT/chat history per PTT channel
- **Play up to 16 PTT channels' real-time videos from users**
  - Smartphone video sharing, PC screen sharing, CCTV video sharing
- **Voice PTT batch transmission/Send alert message by Administrator after selected several channels**
- **Interrupting PTT by Administrator**
- **Support user's location monitoring and tracking**

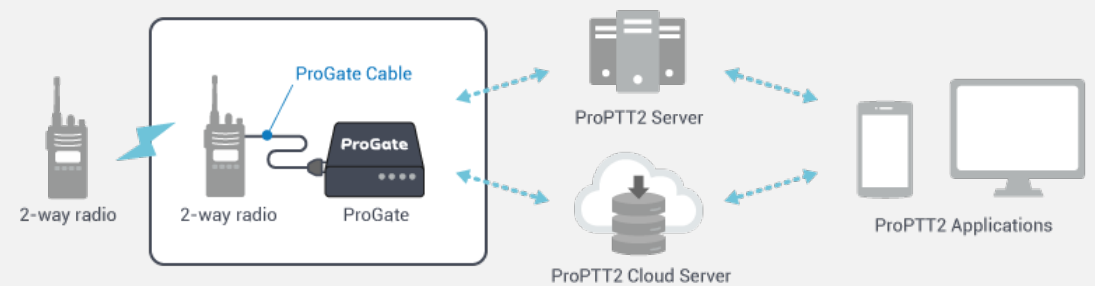# 4.Compatible voice PTT with two-way radios
ProGate(RoIP Gateway device)

| Smart Video Push-To-Talk

ProGate
IP-PTT Gateway Device

ProGate/ Radio to Smartphone

ProGate provide voice PTT environment between smartphone/PC with ProPTT2 applications and two-way radio.

Support voice PTT compatible with two-way radio (FRS,UHF,VHF,TRS) and smartphone app/PC client

(You can apply ProGate to to ProPTT2 server package and ProPTT2 Cloud service.)

- Use multiple radio channels as a single unified PTT channel (Multi-channel Bridge)
- Prevent PTT lock duplicates in multiple ProGate installation environment
- Support "Admin Web" for managing ProGate's network/ account/PTT channel settings

ProGate/ Multi-channel Bridge

You can use multiple radio channels as a single unified channel by integrating several ProGate, which connected to each radio channels, with ProPTT2 Server.
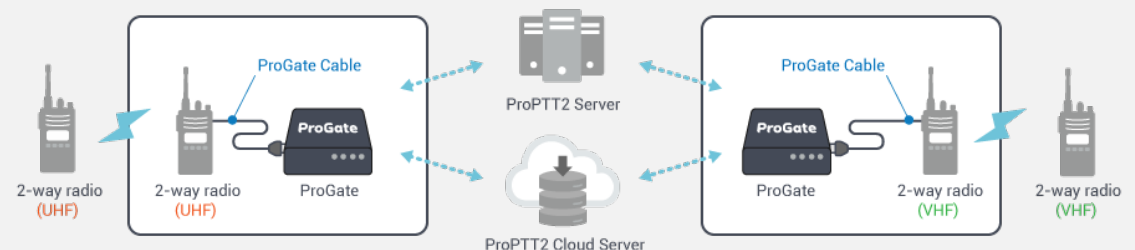
Thank you.

| Smart Video Push-To-Talk

ProPTT2
Professional Push-To-Talk

Voice/Video PTT

Real-time Video Sharing PTT

Talking with Two-way Radio

POC Ptt Over Cellular **Telecom**

Contact Us : http://www.poctelecom.ch - info@poctelecom.ch