

# P1 Private PoC System



Version V1.3  
22 July 2021

## Server, DN, Gateway, Smartphone & Dispatcher Configuration



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Version	Date	Author	Comment
1.0	21 July 21	CT	Initial draft for review
1.1	22 July 21	SM	Minor changes and formatting
1.2	22 July 21	CT	Clarify Android vs PC Dispatcher
1.3	22 July 21	SM	Updated headings

## 1. Introduction

The Entel P1 System is a private PTT over Cellular (PoC) system which can work on private or public IP networks with Entel DN Radios, Entel Gateways, Smartphones and Entel Dispatchers.

The Entel P1 System supports a full range of PoC functions including group calls, individual calls, dispatcher, emergency calls, recorder etc.

It is available either as a complete turn-key system running on a selection of Entel-supplied Dell standalone bare-metal servers or as a cloud-based server running on Amazon Web Services.

This document describes how to configure the various supported devices for use with a P1 Server

## 2. Prerequisites

Each terminal device, whether it is DN, Gateway, Smartphone or Dispatcher needs 4 pieces of information in order to successfully connect to the P1 system. These are

- Username - The User Account Name which is provided with the system
- Password - The User Account Password which is provided with the system
- Server - The IP Address or host name which is determined when the system is installed
- Port - This is always 65001

Additionally the correct P1 version of client software application must be installed for the P1 system. These are different from the standard Entel E-PoC applications which are installed by default on the DN and Gateway products. Applications are available from [https://www.entel.co.uk/updates/PoC\\_software.html](https://www.entel.co.uk/updates/PoC_software.html) for Smartphones and Dispatchers.

## 3. Device Configuration

### 3.1. DN495

#### 3.1.1. Install Application

To install the P1 application on a DN495 press on menu button and then scroll down to settings



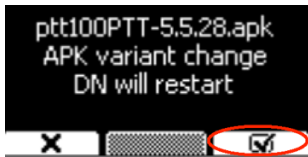
Enter settings and scroll down to APK STORE



Enter APK STORE and select P1 5.x PTT



Click on the Tick and wait for the application to download and install after which the DN will restart and will then be running the P1 application instead of the default E-PoC application.



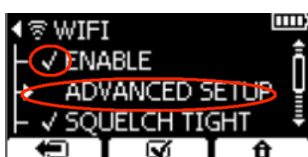
### 3.1.2. Configure Account

To configure the account details on a DN connect to the DN's internal Wi-Fi using a smartphone or laptop browser.

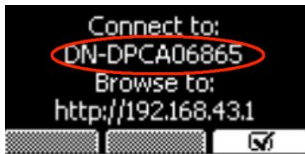
Go to menu, then SETTINGS then WIFI



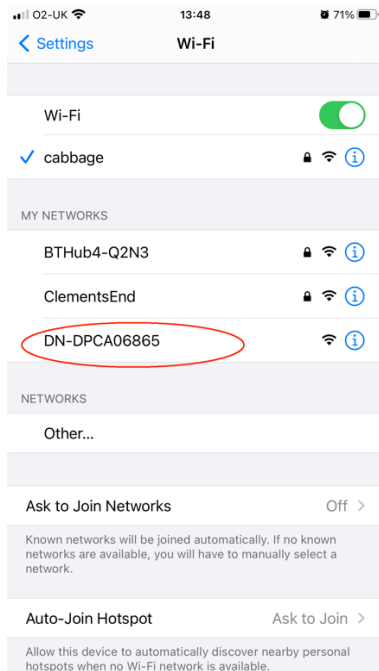
Ensure that WIFI is enabled (ticked) and then select ADVANCED SETUP



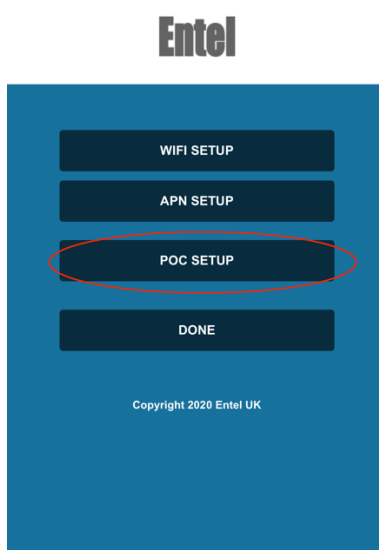
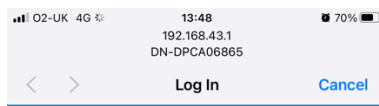
The DN will scan for local Wi-Fi networks briefly and then display the name of a network to connect to which will be DN-xxxxx



Leave the DN alone now, do not click on the Tick as that will exit ADVANCED SETUP mode. Now use a smartphone or laptop to connect to the network shown.



Find the network displayed on the DN in the list of available networks and tap on it to connect. The phone should connect to the DN and show the following screen. If it doesn't then manually browse to the address shown which will be <http://192.168.43.1>.



Tap on POC SETUP button

Fill in the 4 pieces of information on the following screen.

The image shows a mobile application interface for Entel. At the top, there is a status bar with 'O2-UK 4G', '13:48', and '70%' battery. Below that, the IP address '192.168.43.1' and the device name 'DN-DPCA06865' are displayed. A 'Log In' dialog box is open, featuring the Entel logo at the top. The dialog contains four input fields, each circled in red: 'USER NAME' with the value 'DPCA06865', 'PASSWORD' with masked characters, 'SERVER' with the value 'p1demo.entelpoc.net', and 'PORT' with the value '65001'. At the bottom of the dialog are two buttons: 'APPLY' and 'CANCEL'.

Click APPLY then DONE, the DN should revert to the normal display and connect to the P1 Server.

## 3.2. Gateway

### 3.2.1. Install Application

To install the P1 Application use a browser to connect to the IP address shown on the display as follows.

<http://a.b.c.d:1234>

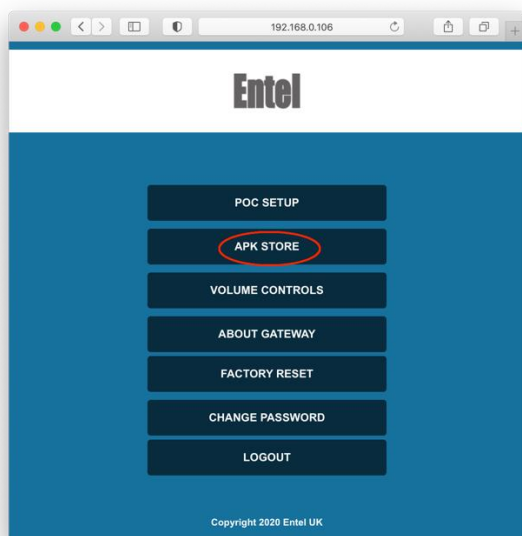
Where the address on the display of the gateway is E a.b.c.d (replace a.b.c.d with the actual numbers shown).

This should show the Gateway Login screen.

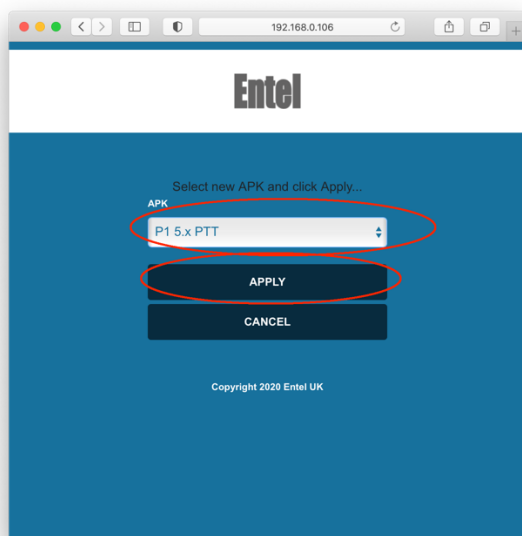
The image shows a web browser window with the address '192.168.0.106'. The page displays the Entel logo at the top. Below the logo is a login form with a 'PASSWORD' field and a 'LOGIN' button, both circled in red. The footer of the page reads 'Copyright 2020 Entel UK'.

Enter the password and click Login. The default password is gateway though this may have been changed.

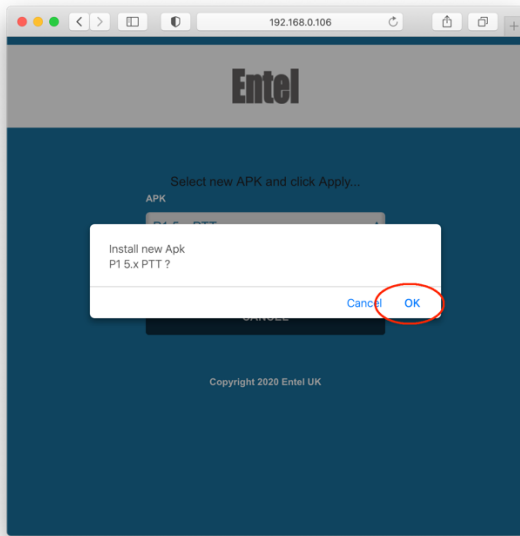
Then select APK STORE



This will show a list of the available applications for this Gateway.



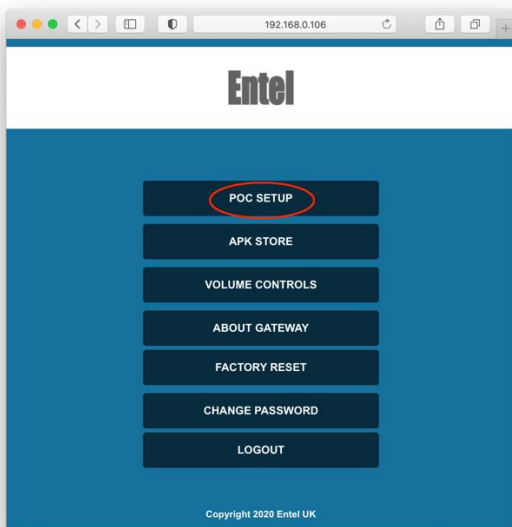
Select P1 5.x PTT from the list and click on APPLY.



Check that the correct application is selected then click OK. The application will download and install and then the gateway will restart and will then be running the P1 application instead of the default E-PoC application.

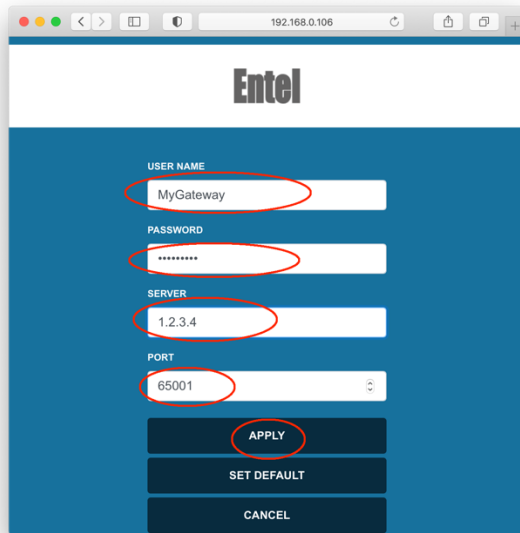
### 3.2.2. Configure Account

Log into the Gateway web interface as above.



This time select POC SETUP.





Fill in the 4 pieces of information and click APPLY. The gateway will then connect to the P1 server using the credentials supplied.

### 3.3. Smartphone and Android Dispatcher

#### 3.3.1. Install Application

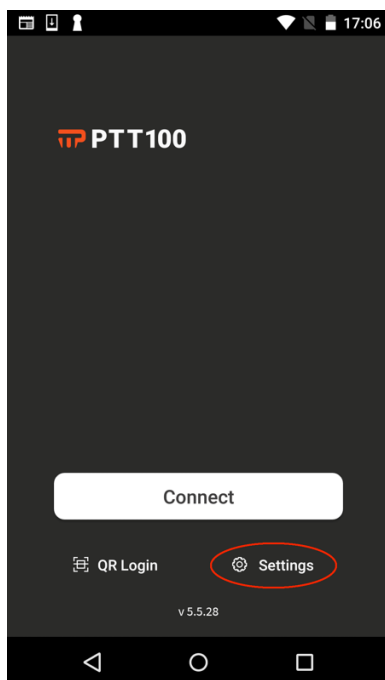
The Smartphone and Android Dispatcher Application is available from the Entel PoC Software website

[https://www.entel.co.uk/updates/PoC\\_software.html](https://www.entel.co.uk/updates/PoC_software.html)

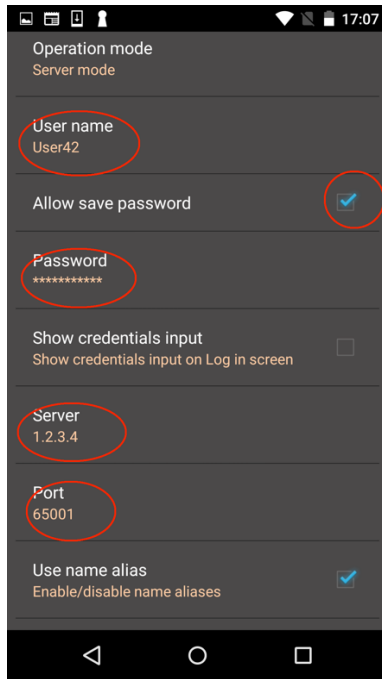
Select the P1 Android App and install it. Please note that various permissions are sought when installing and running the App and they must all be accepted, or the software will not run. This includes "Allow this application to draw over others" permission in later versions of Android.

#### 3.3.2. Configure Account

Open the P1 Android App (labelled PTT 100) and click on the gear for settings



Then fill in the User name, Password, Server and Port and ensure that Allow save password is checked.



Press back button to save and then click on Connect.

### 3.4. PC Dispatcher

#### 3.4.1. Install Application

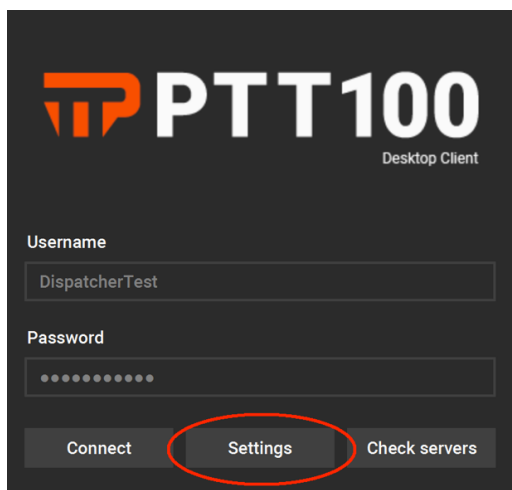
The PC Dispatcher Application is available from the Entel PoC Software website

[https://www.entel.co.uk/updates/PoC\\_software.html](https://www.entel.co.uk/updates/PoC_software.html)

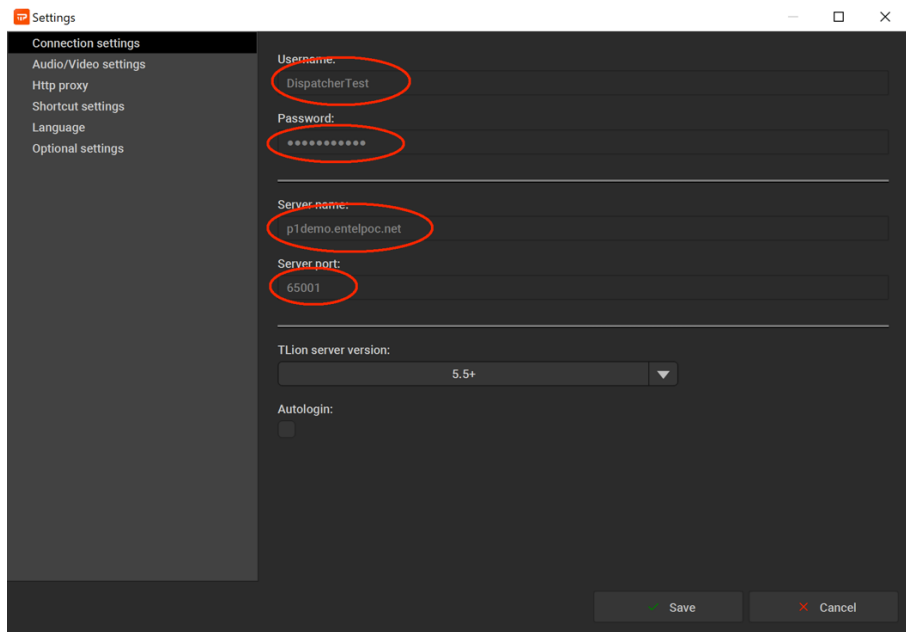
Select and run the P1 PC Dispatcher Windows Software 64-Bit Version. This will install the application and required additional java components.

#### 3.4.2. Configure Account

Open the application and select the Settings button



Then fill in the User name, Password, Server and Port and ensure that the Lion version remains at 5.5+



Click save and then click Connect from the previous Screen.