

Email Configuration Tutorial

This tutorial will assist you in configuring your ProTalk Cv3 to send emails. In order to achieve this, you must have a data plan added on to your cellular account and have the Access Point Name (APN) configured for the carrier your SIM card is activated on.

Configuring the APN using the Cv3 Database Editor

The following example illustrates configuring the APN to work with Telus Mobility. Please verify your SIM and contact your carrier if you are unsure of what APN to use.

ProTalk Cv3 Database Editor - C:\Sample Databases\APN.DAT

File In/Out Operation Program Help

Inputs
Outputs
Callout
Reports
General
Program

General Operation E-mail Settings Radio Interface Power Options Security Operation

Module has email capabilities

Cellular Carrier
Presets: Telus Mobility
APN Server: sp.telus. **Preset cellular carrier selection**

Use an alternate Email Server
Presets: Telus Mobility
Hostname: smtp.telus.net
Port: 25
 This server requires a user account for verification
Username:
Password:

Sender's Account
Email address: Some.Location@BarnettProTalk.com

Specify a valid "Sender's Account" address to be used when sending e-mails

Determining what type of email service to use

The ProTalk Cv3 (HW Version 3.0x) supports sending either *unauthenticated* or *authenticated* emails.

An unauthenticated email is a type of email that is sent using Simple Mail Transfer Protocol (SMTP). In order to send this type of email, you need to connect to an SMTP server. Some mobile carriers supply an SMTP server for this service, and others do not. Before attempting to send an unauthenticated email, contact your cellular carrier to ensure that they support this protocol. Relevant information required to send an SMTP email are a hostname and port number (most SMTP servers use port 25).

An authenticated email is a type of email that is sent using an email server that requires you log into with a username and password. In order to send this type of email, you will need to have an existing account on an authenticated mail server. There are many options to choose, including Office 365, Gmail, Outlook.com, Yahoo.com, etc. Relevant information required to send an authenticated email are the hostname, port number (usually 465 or 587), username, password, and email address.

Sending unauthenticated SMTP emails have their limitations. They are sent unsecurely, and can be either blocked or flagged as spam email, depending on the recipient email server security settings. Alternately, sending authenticated emails establishes a secure connection to the sending mail server, then sends the email encrypted to its destination. There is less chance of the email being blocked or flagged as spam.

The following pages describe configuring both unauthenticated and authenticated types of email.

Configuring the ProTalk Cv3 to send unauthenticated SMTP email

Below is an example using the SMTP service that Telus provides. Note that a hostname, port and email address are all required. The email address does not have to be a valid address, but selecting one that is self explanatory will help the recipient understand where the email originated from.

The screenshot shows the 'ProTalk Cv3 Database Editor' window with the 'E-mail Settings' tab active. The configuration is as follows:

- Module has email capabilities
- Cellular Carrier:
 - Presets: Telus Mobility
 - APN Server: sp.telus.com
- Use an alternate Email Server:
 - Presets: Telus Mobility
 - Hostname: smtp.telus.net
 - Port: 25
 - This server requires a user account for verification
 - Username: [empty]
 - Password: [empty]
- Sender's Account:
 - Email address: Alarms@testsite.com

The recipient email server may flag this type of email as spam, so watch the Junk Folder for an email from this type of address and mark it as 'Not Junk' if needed.

Configuring the ProTalk Cv3 to send authenticated email

The example below illustrates a configuration to send email via Office 365:

The screenshot shows the ProTalk Cv3 Database Editor interface. The title bar reads "ProTalk Cv3 Database Editor - C:\Sample Databases\Email.DAT". The menu bar includes "File", "In/Out", "Operation", "Program", and "Help". The toolbar contains icons for file operations and a search icon. The left sidebar has icons for "Inputs", "Outputs", "Callout", "Reports", "General", and "Program". The main window has a tabbed interface with "General Operation", "E-mail Settings", "Radio Interface", "Power Options", and "Security Operation". The "E-mail Settings" tab is active, showing the following configuration:

- Module has email capabilities
- Cellular Carrier:
 - Presets:
 - APN Server:
- Use an alternate Email Server:
 - Presets:
 - Hostname:
 - Port:
 - This server requires a user account for verification
 - Username:
 - Password:
- Sender's Account:
 - Email address:

Note that in the above example, the email address compressor.station@barnettprotalk.com would need to be a valid account on Office 365.