

Setting up Hytera radios for DataGate

This document describes the minimum configuration required to set up MD782G radios via the Hytera Customer Programming Software (CPS) to allow communication with DataGate. Other radio models will require similar configuration. These instructions describe Conventional settings, but can also be applied to XPT Trunking settings.

Base station radio

Conventional / General Setting / Network

- Radio Control Station IP: 192.168.10.1 (recommended)
- Forward To PC: Checked
- Accessory Port Communication: USB
- Radio's USB Network communication protocol: NCM
- Send USB Serial Number: Checked (recommended)
- Radio to Radio Network: Use Defaults
- Radio Services: Use Defaults

Conventional / Digital Common / Basic

- Radio ID: Enter ID of base radio (1 recommended)

Radio in vehicle

Conventional / General Setting / Network

- Forward To PC: Unchecked
- Radio to Radio Network: Use Defaults
- Control Center ID: Enter ID of base radio (1 recommended)
- Ports: Use Defaults
- RRS Service: Use desired values

Conventional / Channel / Digital Channel

- Location Info / RRS Revert Channel: Enter the channel to use for data comms, if desired

Conventional / Digital Common / Basic

- Radio ID: Unique ID for this mobile radio

Conventional / General Settings / Accessories

- GPS: Checked
- GPS Data Compression: Checked (recommended)
- GPS Trigger: Set desired GPS reporting options

Conventional / Digital Common / Work Order

- Work Order: Checked
- Add Info: Check if users need to send text information when changing work order status
- Tasks Status Codes: Enter status codes as required

PC Setup

- Install the Hytera USB drivers
- Connect the base radio to the PC using a USB cable to the back connector. Cables are available from Hytera
- Check that the radio installs correctly. A NDIS network device should appear under the Windows Device Manager tool

DataGate Settings

- Go to the View / Data Sources menu
- Click on the antenna icon to add a source
- Enter a description (e.g. Hytera Local Base)
- Select Hytera in Network list
- Select (Shared) group, or choose another group if desired
- Base Radio IP Address: Enter base radio IP address (10.0.0.1 if using defaults above)
- Local IP Address: Select the base radio LAN address from the list (192.168.10.2 if using defaults). If the address is not visible, check that the radio drivers have been installed and radio is connected OK
- Enter text for any status IDs you are using. These should match the status text programmed into the radios
- Click OK to save
- On the main DataGate screen click on the grey circle icon to add an asset (mobile/portable radio)
- Enter a description (e.g. Portable 1)
- Select Hytera Radio from Hardware Type list
- Select (Shared) group, or choose another group if desired
- Check the Accept Emails to Device option if emails are required
- Under the Modems tab, enter the mobile/portable radio ID, and select the desired Hytera Source
- Click Ok to save

To set up user accounts and configure asset emails, please refer to the DataGate manual.