Teldio TruFleet | Data Repeater Setup

The Repeater system setup for the Master and Peer Repeaters, with its IP addresses, UDP ports, Link Establishment is the responsibility of the Radio dealer. The following are the TruFleet/Motorola Specific setups to be done on the **Data** Repeaters.

Zone/Channel Assignment
- If Enhanced GPS is set up in the system:
  - Enable Enhanced GPS checkbox for each slot
  - Set Window Size to below
    - GPS only: 8
    - GPS and Indoor Tracking: 10
  - Leave the Periodic Window Reservation at 75%

Teldio TruFleet | MNIS Setup

Motorola MNIS application is used when TruFleet connects to the Repeaters via an IP connection via the Network Application Interface Data Motorola license. The Repeater setup, with its IP addresses, UDP ports, Link Establishment is the responsibility of the Radio dealer. The following are the TruFleet/Motorola Specific setups to be done on the MNIS application that is to be installed on the same server as the TruFleet application.

- Open MNIS and Create a New Configuration
  - General
    - Select the System Operation Mode
    - Set a unique ID. Teldio recommends 5980
    - Set MNIS IP address to 192.168.100.1
  - Security
    - If Privacy keys are used in the system, add it to this section
  - Operation Mode
    - Select either Conventional, Capacity Plus or Linked Capacity Plus to match your Radio Network mode
    - Enter in the IP of the Master Repeater
    - Enter in the UDP port of the Master Repeater
    - If using an Authentication Key, add it to the Authentication Key section
  - Advanced
    - Disable Data Call Confirmed
    - Set Compressed UDP Data Header to match the setting in the Radio Network
- Click the Save button and when prompted name the instance to a name of your choice
- Click the Play/Start button to start the MNIS service.

Teldio TruFleet | Users being tracked via TruFleet

- **General / General Settings**
  - Ensure that GNSS is enabled
  - Ensure that Persistent LRRP Requests are disabled
- **General / Network / Services**
  - Set the ARS Radio ID and the TMS Radio ID to the ID allocated for the Control Stations or the MNIS instance.
- **If using Indoor Tracking: General / Indoor Tracking**
  - Enable Indoor Location checkbox
  - Beacon List:
    - If using Minew Beacons add the following:
      - Beacon Alias: Minew
      - Beacon UUID: E2C56DB5DFFB48D2B060D0F5A71096E0
    - If using Loc-Ex Beacons add the following:
      - Beacon Alias: LOCEX
      - Beacon UUID: 2673DAF8E45E4D85A91D6DF91D9BCD79
- **Zone / Channel**
  - Voice Channels
    - Enable ARS
    - If using TruFleet's Sprite Firmware, enable Option Board
    - Trunked Systems: Associate the Proper Voice and Data Lists
    - Conventional Systems: Set the GPS Data Revert Zone and Channel
    - Set Location Delivery mode to 'unconfirmed'
  - Data Channels (Conventional Systems)
    - These channels should be set up in the Channel Pool
    - Do not enable ARS
    - If Enhanced GPS is set up in the system, enable Enhanced GPS checkbox
    - If using TruFleet's Sprite Firmware, enable Option Board
    - Ensure there are no RX Groups or TX Contacts
    - Set Location Delivery mode to 'unconfirmed'
  - Data Channels (Trunked Systems)
    - These channels should be set up in the Channel Pool
    - If Enhanced GPS is set up in the system, enable Enhanced GPS checkbox
    - If Enhanced GPS is set up in the system, on the Capacity Plus Data Lists, set Enhanced GNSS window size to below
      - GPS only: 8
      - GPS and Indoor Tracking: 10