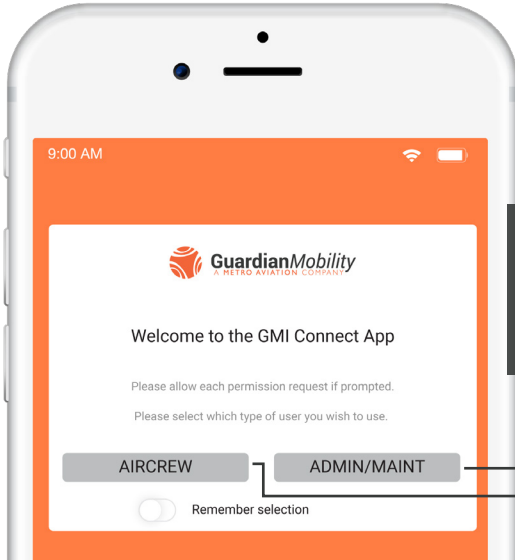# *GMI* Connect App

v3.0

Guardian Mobility's GMI Connect App V3.0 complements and supports the G4, G4C and G4MX products and is designed to run on users Android or Apple (iOS) smart devices (phone or tablet).

The GMI Connect App communicates with the G4/G4C/G4MX products via Bluetooth and allows for aircrews to send and receive free-form and pre-formed text messages, edit pre-formed text messages, initiate Mark Current Position and Alert reports, configure the G4/G4C/G4MX for Automatic Flight Following (AFF), Additional Telemetry Unit (ATU) reports, Flight Data Monitoring System (FDMS) logging and external input triggered mapping events. The App can be used in portrait or landscape mode on any smart device.

9:00 AM

GuardianMobility
A METRO AVIATION COMPANY

Welcome to the GMI Connect App

Please allow each permission request if prompted.

Please select which type of user you wish to use.

AIRCREW   ADMIN/MAINT

Remember selection

Password protected mode
Aircrew functionality
ATU operations configuration and installation
ATU load cell calibration
External aircraft I/O configuration and trigger event configuration
AT Command interface

Text messaging
GPS/Iridium/Bluetooth
G4MX status for the general user

v3.0 FEATURES

Aircrew and Admin/Maintenance modes:

- 2-way text messaging in a conversational mode for G4/G4C/G4MX
    - Smart device screen notifications of new message(s) received and Bluetooth status
    - Canned/pre-formed message editing of GMI aircrew-friendly messages (add, delete, edit) associated with users smart device
    - Canned, free-form or combined-message creation
    - Local time-stamped messages received and sent
    - Automatic and manual retry to send
    - Message sent and received history
    - Android and iOS device notifications of incoming new text message(s)
- Initiate a Mark Current GPS Position report from the G4/G4C/G4MX
- Initiate automatic Alert GPS reports from the G4/G4C/G4MX
- Status of GPS, Iridium and Bluetooth connections used by the G4/G4C/G4MX
- Basic G4/G4C/G4MX configuration
    - Iridium network Alert and Normal reporting rate selection
    - G4/G4MX front panel LED brightness level
    - G4/G4MX front panel button configuration

Available on the App Store

ANDROID APP ON Google play

Aircraft Business Intelligence
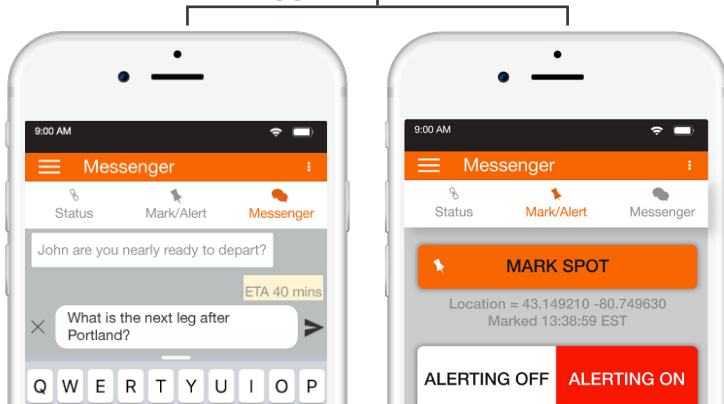
Additional G4C only features

- Manual selection on configuration screen of either G4C combined cellular & Iridium or only Iridium satellite network connection modes
- G4C cellular network Alert and Normal reporting rate selection
  - Up to 10 second GPS position update rates
  - Rate changes independent of Iridium update rates
- Update of G4C Cellular GSM Access Point Name (APN)
- Upload of G4LOGS via cellular network (Over The Air) to GM customer support
- Status of cellular network end-to-end server connection and cell tower signal strength
- All-in-one screen view, Iridium and cellular network connection status icon
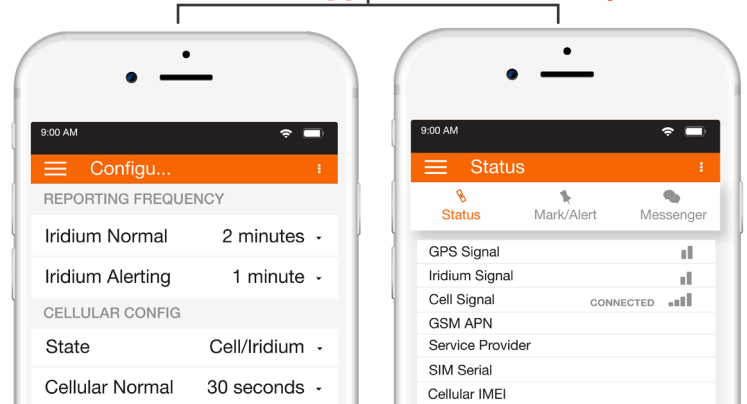- Allow reset of G4C to factory defaults

G4MX Admin/Maintenance mode
Includes all the aircrew features for the G4 plus:

- Aircraft Discrete and Analog G4MX inputs status (DC Volts) for ATU installation support
- Setup FDMS onboard logging on the G4MX
- Configuration of ATU reporting for Bambi and Isolair tanks to allow automated ATU reports in aircrew mode
  - Bucket, Isolair Tank or Combi ATU mode
  - Volume/Size of tank or bucket and units – US gallons or liters
  - ATU report trigger event speed in knots
  - Fire suppressant type and coverage level
  - Enable/Disable ATU Reports (Combi, tank or bucket)
  - Multiple parameter change feature
- ATU bucket calibration screen – configure the G4MX with the bucket load cell output for accurate measurement and reporting of the bucket volume from one aircraft to the next
- Aircraft external input trigger configuration for mapping and other event reports, sent automatically in aircrew mode
  - Select 1 or more inputs
  - Setup selected input(s) for threshold trigger type and values
  - Setup input triggered function (Custom Mapping event, Mark Position, Alerts)
- G4MX Discrete output control to support various applications in aircrew mode
  - Remote GPS and/or Iridium LED
  - Remote new message received LED
  - Custom
- ATU Bambi and Isolair Tank Installation setup support

GMI Connect App screens G4/G4C/G4MX

GMI Connect App screens G4C only

GuardianMobility
A METRO AVIATION COMPANY

Aircraft Business Intelligence