# CFX 2050/TMX 2050 Quick Reference Card

Begin by installing the Beacon into the Trimble EXP-100 port expander cable. Once the Beacon is installed proceed to the FMXplus app on the home screen of the TMX display. Continue to the wrench and select GPS Receiver on the right, followed by Setup on the Left. On the GPS Receiver setup page change the Corrections to Centerpoint RTK.
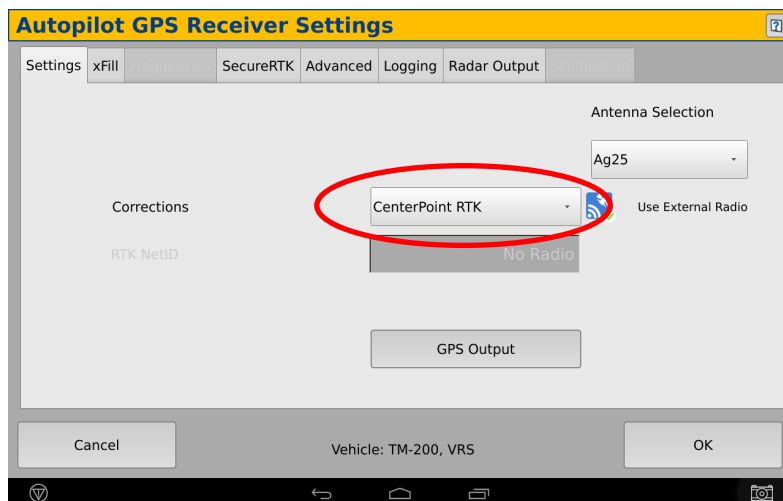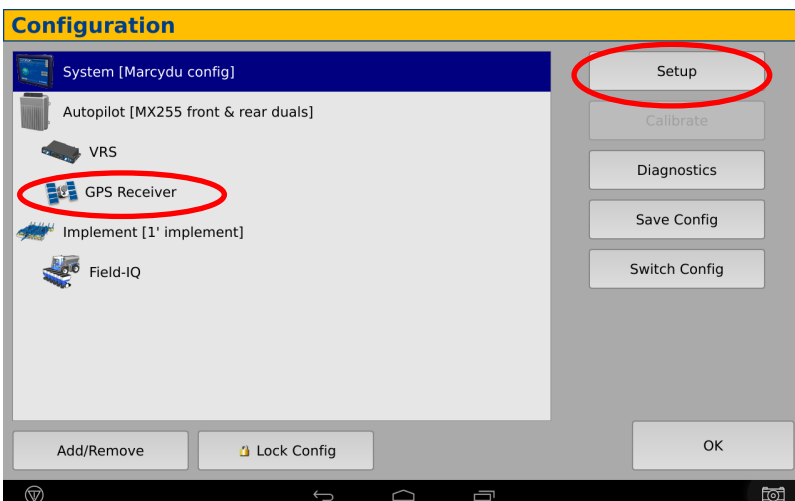
Return to the Configuration page and select System -> Setup -> Then scroll down to Port setup -> Setup -> Select your EXP-100 SN from the dropdown labeled AG 815 Secondary Serial.
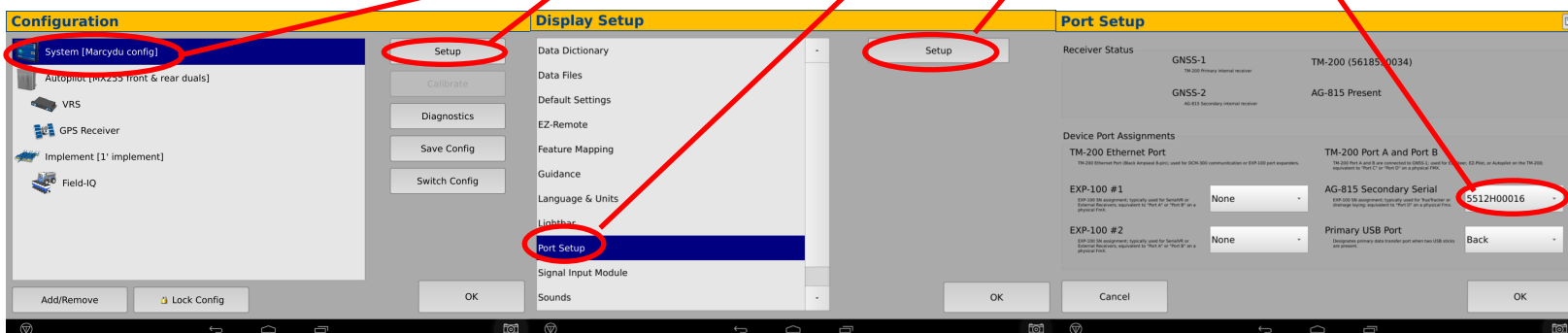

Return to the Configuration page and select GPS receiver and Diagnostics (password 2009). Then Select Ag Remote.
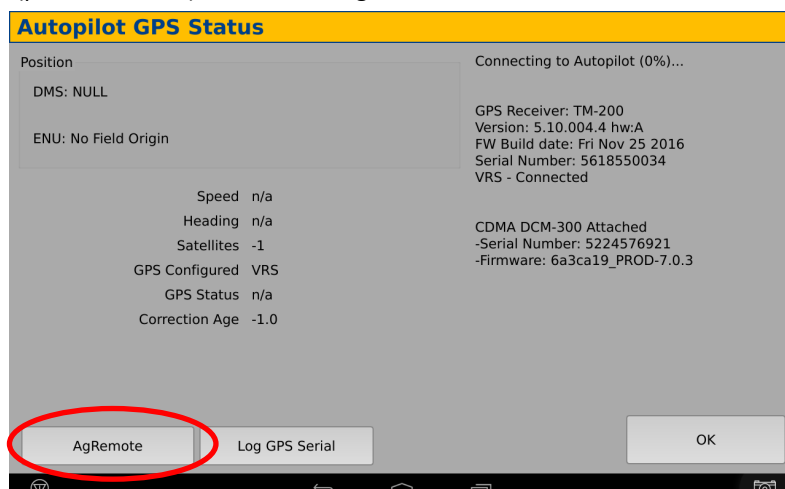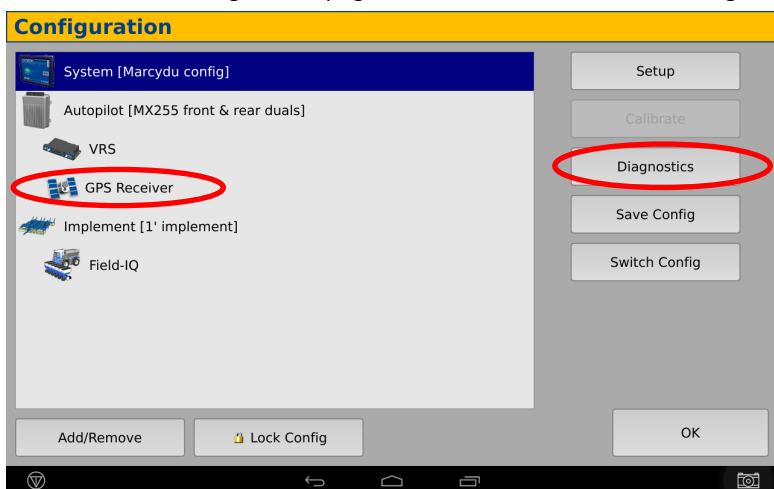
Ag Remote Setup instructions

1.   Press the right arrow twice to configuration -> press the Down arrow to enter the Configuration menu -> Press the Right arrow until you get to the port D config -> Press the down arrow to enter.

2.   Use the Right arrow once to select TSIP and the up or down arrows to change that to RTCM -> Press the Right arrow 5 More times to move to the Bottom TSIP and using up or down change this to NONE. Press enter (see screenshot on right to confirm settings) -> Then down once -> Confirm NMEA1 has nothing capitalized, then proceed down to NMEA2 and confirm nothing is capitalized. Press the esc icon 3 times to return to the main screen.
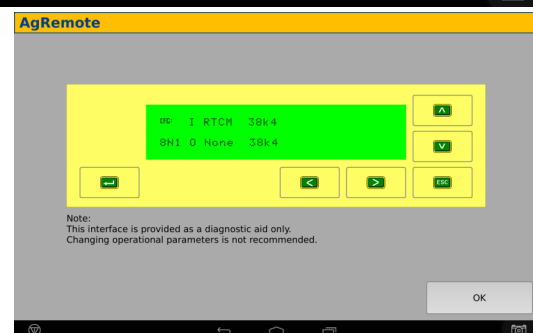
Android Quick Reference Card

Fig. 1

DigiFarm VBN
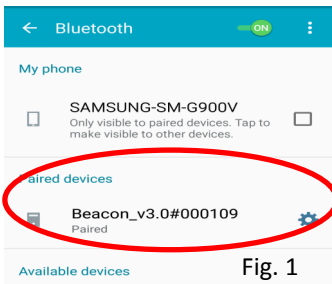**Disconnected**
Connect
Version: 2017.02.17   Fig. 2

Step 1: Pair the Beacon with android device. (fig. 1)

Step 2: Download DigiFarm app, Open it and select the gear in the top right corner (fig. 2)

DigiFarm VBN - Settings
- Display Settings
- Receiver Settings
- NTRIP Settings

Fig. 3

Receiver Settings
- Receiver Connection — None (NTRIP Testing Mode)
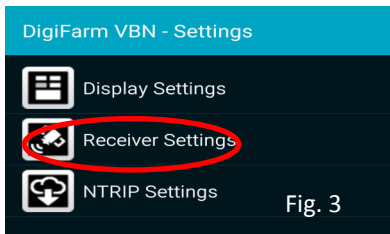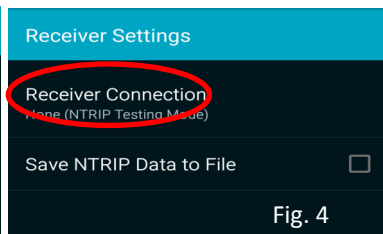- Save NTRIP Data to File ☐

Fig. 4

Step 3: Select receiver settings (fig. 3) then Receiver connection (fig. 4), External via Bluetooth (fig. 5), then choose Bluetooth device (fig. 6), check auto-enable Bluetooth box (fig. 7)
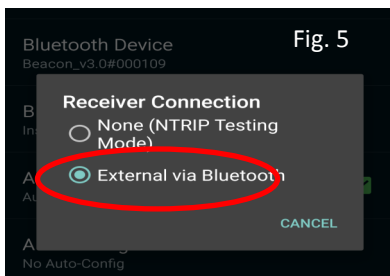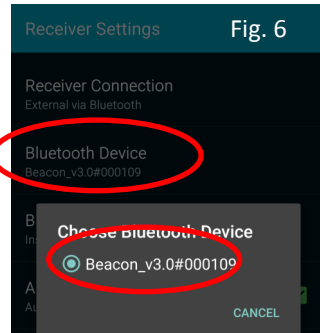
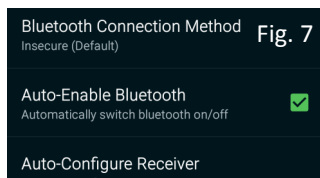**Bluetooth Device** — Beacon_v3.0#000109   Fig. 5

Receiver Connection
- ○ None (NTRIP Testing Mode)
- ⦿ External via Bluetooth

CANCEL

Receiver Settings   Fig. 6
Receiver Connection — External via Bluetooth
Bluetooth Device — Beacon_v3.0#000109
Choose Bluetooth Device
- ⦿ Beacon_v3.0#000109

CANCEL

Bluetooth Connection Method — Insecure (Default)   Fig. 7
Auto-Enable Bluetooth — Automatically switch bluetooth on/off ☑
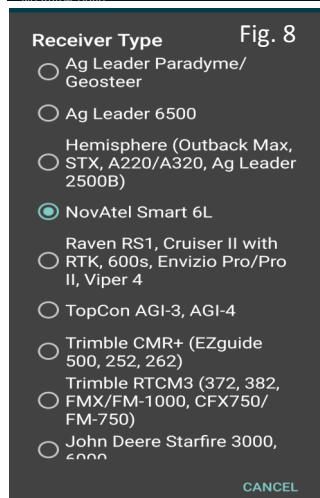Auto-Configure Receiver — No Auto-Config

Step 4: select the back arrow back and select NTRIP Settings (Fig. 8), Network protocol NTRIP v1.0, Receiver Type (fig. 8), your username and password from DigiFarm , and get from external receiver (if the receiver is capable) (fig. 9).
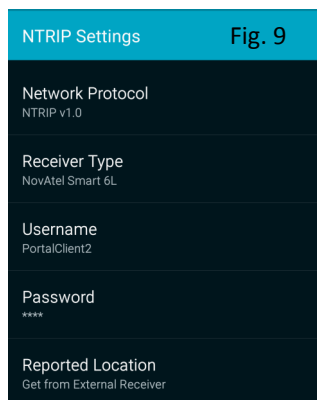
Receiver Type   Fig. 8
- ○ Ag Leader Paradyme/ Geosteer
- ○ Ag Leader 6500
- ○ Hemisphere (Outback Max, STX, A220/A320, Ag Leader 2500B)
- ⦿ NovAtel Smart 6L
- ○ Raven RS1, Cruiser II with RTK, 600s, Envizio Pro/Pro II, Viper 4
- ○ TopCon AGI-3, AGI-4
- ○ Trimble CMR+ (EZguide 500, 252, 262)
- ○ Trimble RTCM3 (372, 382, FMX/FM-1000, CFX750/ FM-750)
- ○ John Deere Starfire 3000, 6000

CANCEL

NTRIP Settings   Fig. 9
Network Protocol — NTRIP v1.0
Receiver Type — NovAtel Smart 6L
Username — PortalClient2
Password — ****
Reported Location — Get from External Receiver

Step 5: return to the home screen of the app and push Connect.

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iOS Quick Reference Card   Rev. 2

Settings / Bluetooth
DigiFarm VBN — Apple ID, iCloud, iTunes & App St...
Airplane Mode
Bluetooth ●
Now discoverable as "iPad".
DEVICES
Beacon_v3.0#900250
Fig. 1

Verizon   8:07 AM   100%
Settings / Bluetooth
DigiFarm VBN — Apple ID, iCloud, iTunes & App St...
Airplane Mode
Bluetooth ●
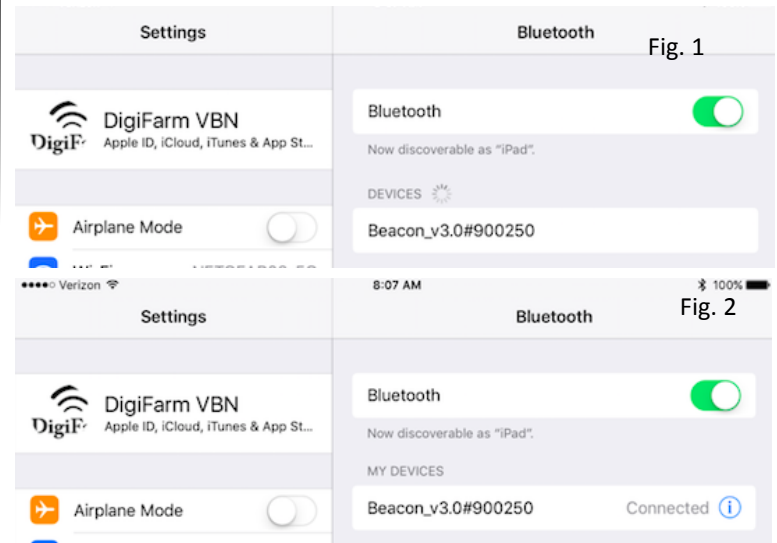Now discoverable as "iPad".
MY DEVICES
Beacon_v3.0#900250   Connected ⓘ
Fig. 2

Step 1: Pair the Beacon with the iOS device via the settings app. (Fig. 1 & 2)
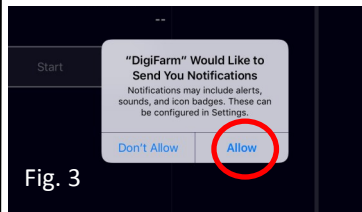
Step 2: Download the DigiFarm app and allow notifications. (Fig. 3)

"DigiFarm" Would Like to Send You Notifications
Notifications may include alerts, sounds, and icon badges. These can be configured in Settings.
Don't Allow   Allow
Fig. 3

Step 3: Confirm Beacon connection within the app (Fig. 4), Select your receiver type (Fig. 4), and enter your username and password. (Fig. 5)
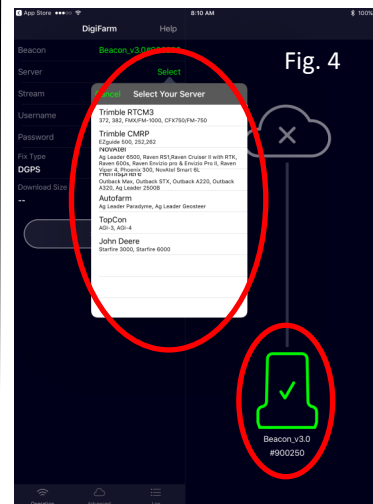

Select Your Server
Trimble RTCM3 — 372, 382, FMX/FM-1000, CFX750/FM-750
Trimble CMR — EZguide 500, 252,262
NovAtel — Ag Leader 6500, Raven RS1,Raven Cruiser II with RTK, Raven 600s, Raven Envizio pro & Envizio Pro II, Raven Viper 4, Phoenix 300, NovAtel Smart 6L
Hemisphere — Outback Max, Outback STX, Outback A220, Outback A320, Ag Leader 2500B
Autofarm — Ag Leader Paradyme, Ag Leader Geosteer
TopCon — AGI-3, AGI-4
John Deere — Starfire 3000, Starfire 6000
Fig. 4

Beacon_v3.0 #900250
Fig. 4
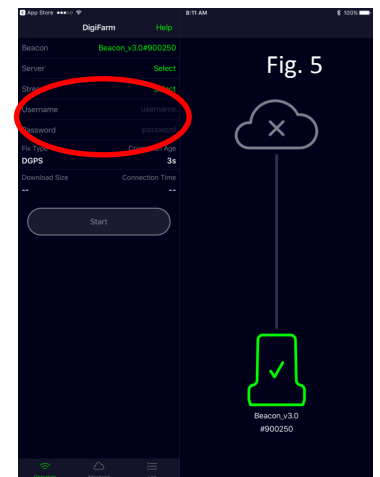

Username
Password
DGPS   3s
Fig. 5
Beacon_v3.0 #900250

Step 4: Press the green Start button, you will be prompted to allow location access. Allow this (Fig. 6) and you will start streaming RTK data. (Fig. 7)
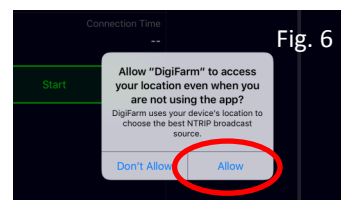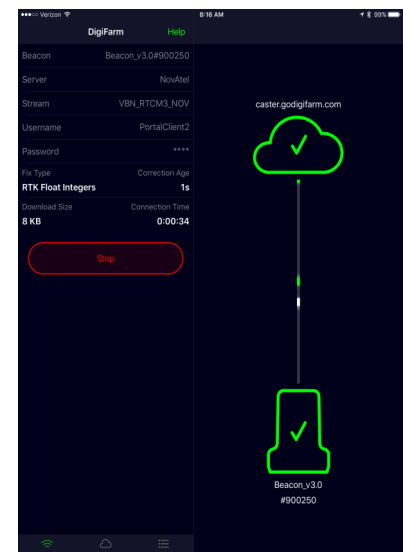

Allow "DigiFarm" to access your location even when you are not using the app?
DigiFarm uses your device's location to choose the best NTRIP broadcast source.
Don't Allow   Allow
Fig. 6

Beacon — Beacon_v3.0#900250
Server — NovAtel
Stream — VBN_RTCM3_NOV
Username — PortalClient2
Password — ****
Fix Type — Correction Age
RTK Float Integers — 1s
Download Size — Connection Time
8 KB — 0:00:34
Stop
caster.godigifarm.com
Beacon_v3.0 #900250