AutoSync for Precision-IQ Displays

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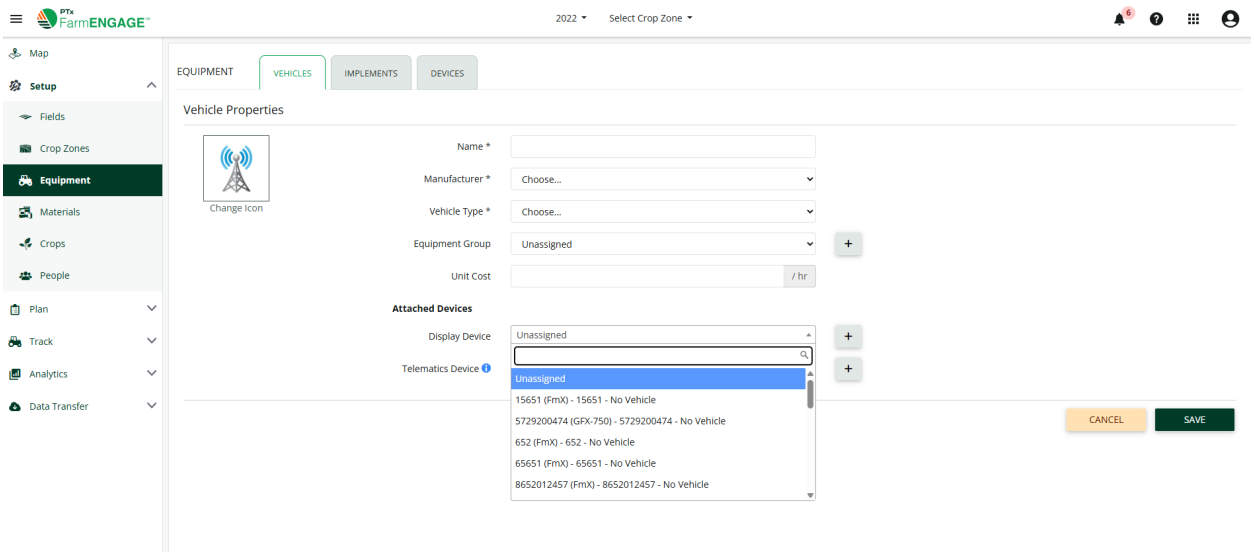
How to Setup Devices and Vehicles in FarmENGAGE

Setup your vehicles on the web so that data can correctly flow from the field to the cloud.

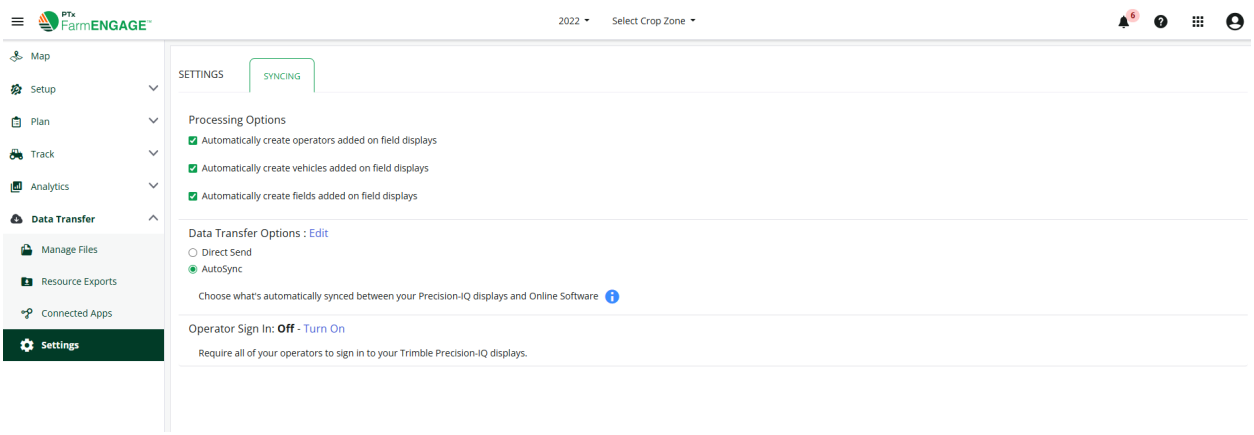
1. Navigate to Setup -> Equipment -> Devices
2. Ensure your Device has an active license
    a. If there is no active license on a device, click “Assign License”. If there are no licenses available to apply, contact your reseller to purchase a Display Connection
3. Select the Equipment tab
4. Click the “+Add” dropdown in the top right corner and select “Add Vehicle”
5. In the Display Device drop down, select the Precision-IQ Display Device you would like to associate with this vehicle
6. Assign the Vehicle License to activate a wireless vehicle connection with a Display
7. Click Save



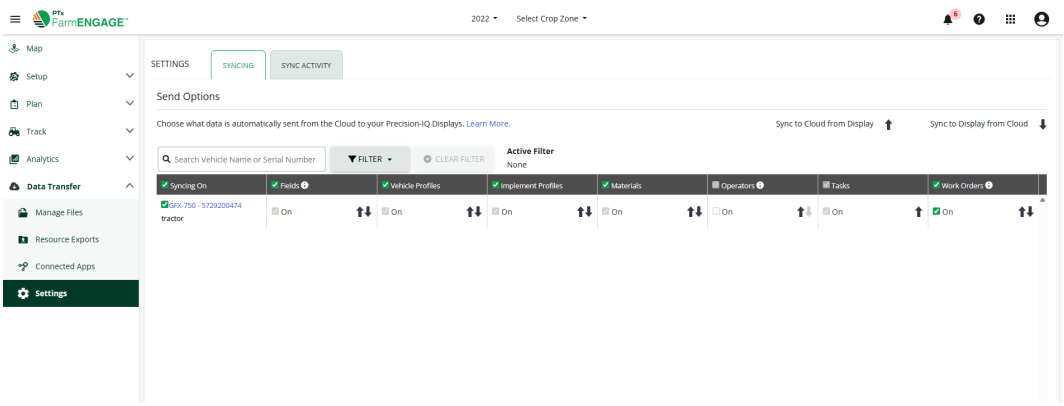
How to Enable Autosync in FarmENGAGE

Ensure that your organization and device settings are aligned to support AutoSync

1. Navigate to Data Transfer -> Setting
2. Select the AutoSync radio button under “Data transfer Options” to enable AutoSync before enabling Autosync on the PTx Trimble display
    a. Note: Direct Send is ON by default for all organizations



3. Click on the ‘Edit’ hyperlink to the right of “Data transfer Options” to manage what is automatically synced between each Precision-IQ display and FarmENGAGE
4. What is Automatically synced between Precision-IQ and FarmENGAGE with AutoSync enabled?
    a. Fields (boundaries, AB lines, Points, Lines, Areas)
    b. Client
    c. Farm
    d. Vehicles
    e. Implements
    f. Vehicle Profiles
    g. Implement Profiles
    h. Materials
    i. Operators
    j. Work Orders (if enabled)
    k. Tasks (task coverage is only received from the display)
5. Requirements for Autosync:
    a. GFX or XCN Display
    b. Active Display Connection License
    c. Precision-IQ version 6.0 or higher (6.2 is required to sync vehicles, implements and materials)



What's synced

- Fields
  (Boundaries, AB lines, Points, Lines, Areas)
- Vehicle Profiles
- Implement Profiles
- Materials
- Operators
- Tasks
  (Task coverage is received from the display only)

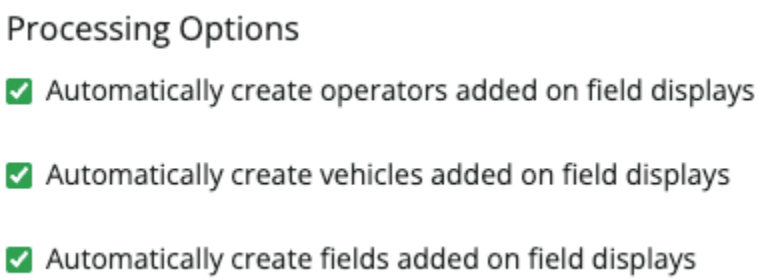
Requirements

1. GFX-350, GFX-750, TMX-2050, XCN-750, XCN-1050, XCN-2050, GFX-1060, GFX-1260, XCN-1060 or XCN-1260 display
2. Active Display Connection License
3. Precision-IQ firmware version 6.0 or higher
   (Version 6.2 is required to sync vehicles, implements and materials)

How to Manage Processing Options

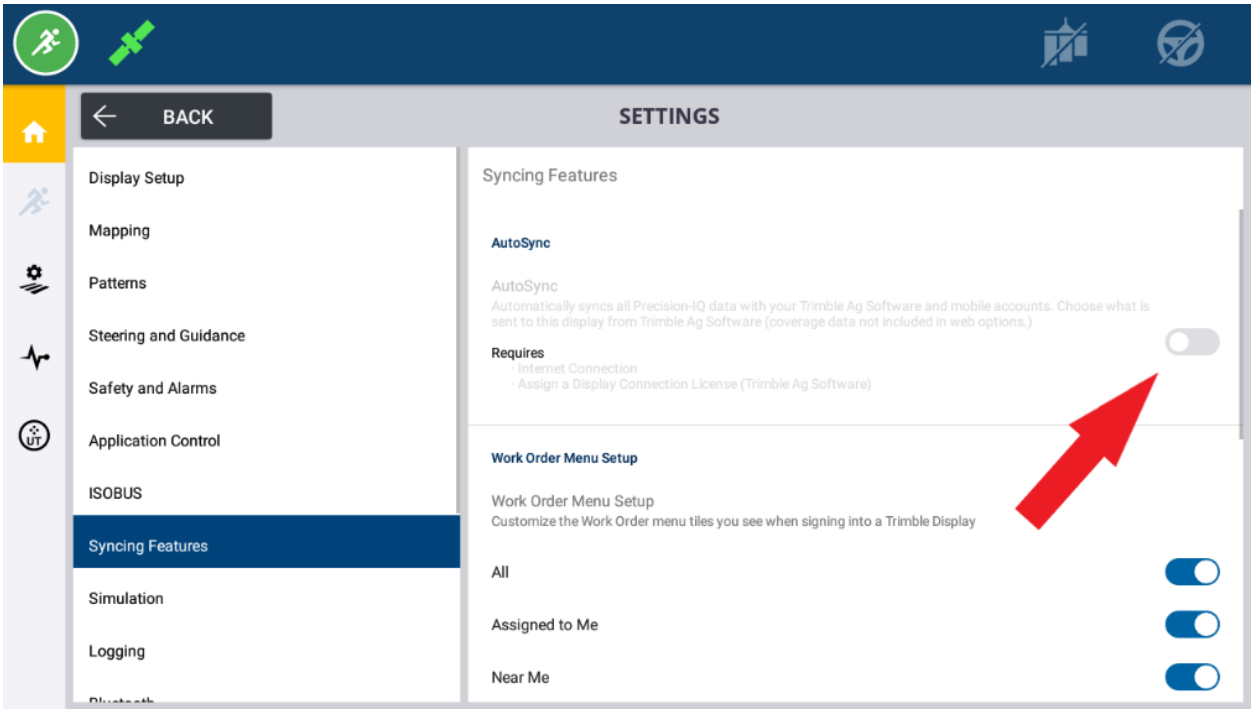
1. Navigate to Data Transfer -> Settings
2. User can select 3 processing options
    a. Automatically create Operators added on Precision-IQ displays
    b. Automatically create Vehicles added on Precision-IQ displays
    c. Automatically create Fields added on Precision-IQ displays
3. By default, all options are enabled, uncheck the box if you would like to prevent the data from being automatically created in the cloud

Note: if you uncheck one of these options and FarmENGAGE does not have that resource in the database, data will not show up.

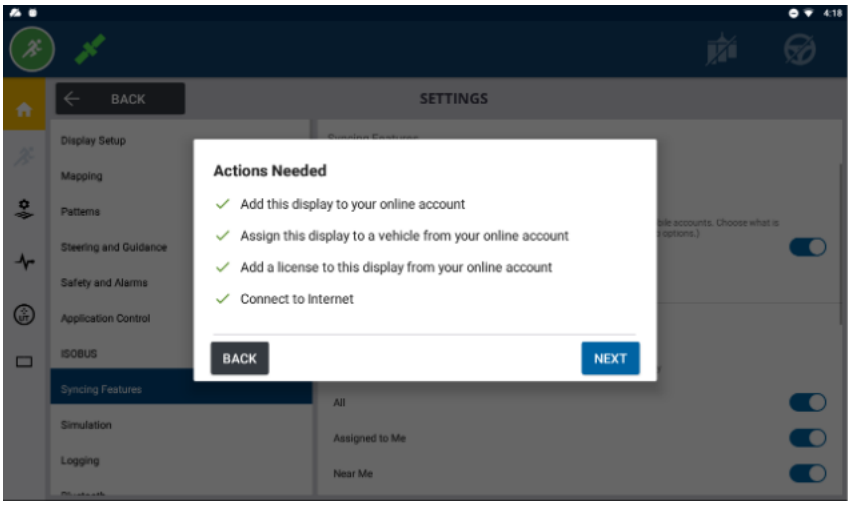


How to Enable AutoSync in Precision-IQ

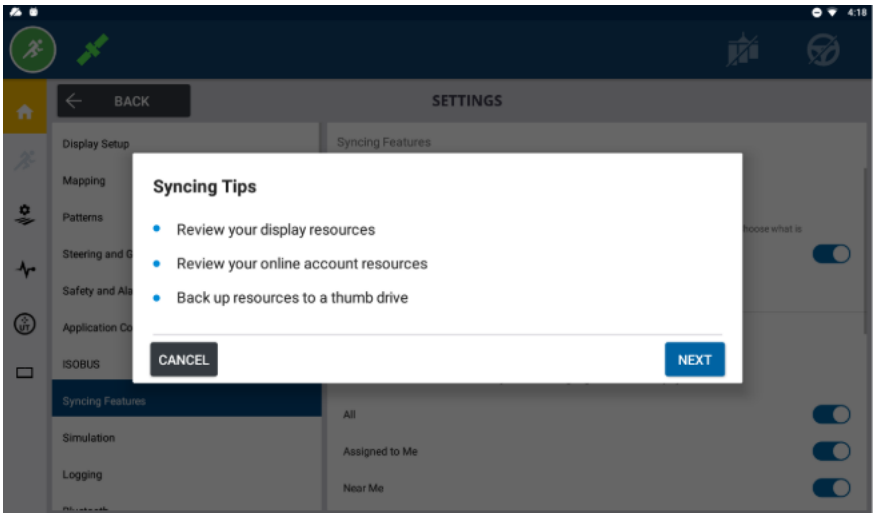
1. Navigate to Precision-IQ on your display
2. Tap on the settings section at the bottom of the screen
3. Tap on the Syncing Features tab from the list
4. Enable AutoSync to ensure data can flow from the display to the cloud
    a. Requirements to enable AutoSync:
        i. Internet Connection to the device – Two options for connection include:
            1. Cellular modem with data plan
                a. Modem connects via WiFi to the display
                    i. Use modems from PTx Trimble or bring your own device
                b. Resource data is synced within minutes while display is on
                    i. Clients, farms, fields, boundaries, guidance lines, etc.
                c. Task data synced after run screen is closed
            2. WiFi Network or Hot Spot
                a. Back at farm or with your phone
                b. Data only synced when WiFi connection is made
        ii. Display Connection license on the device
        iii. Device is assigned to a vehicle (see above)



5. The AutoSync Wizard will launch as soon as AutoSync is turned on in PIQ settings
6. When the Actions Needed shows all green check marks, click Next



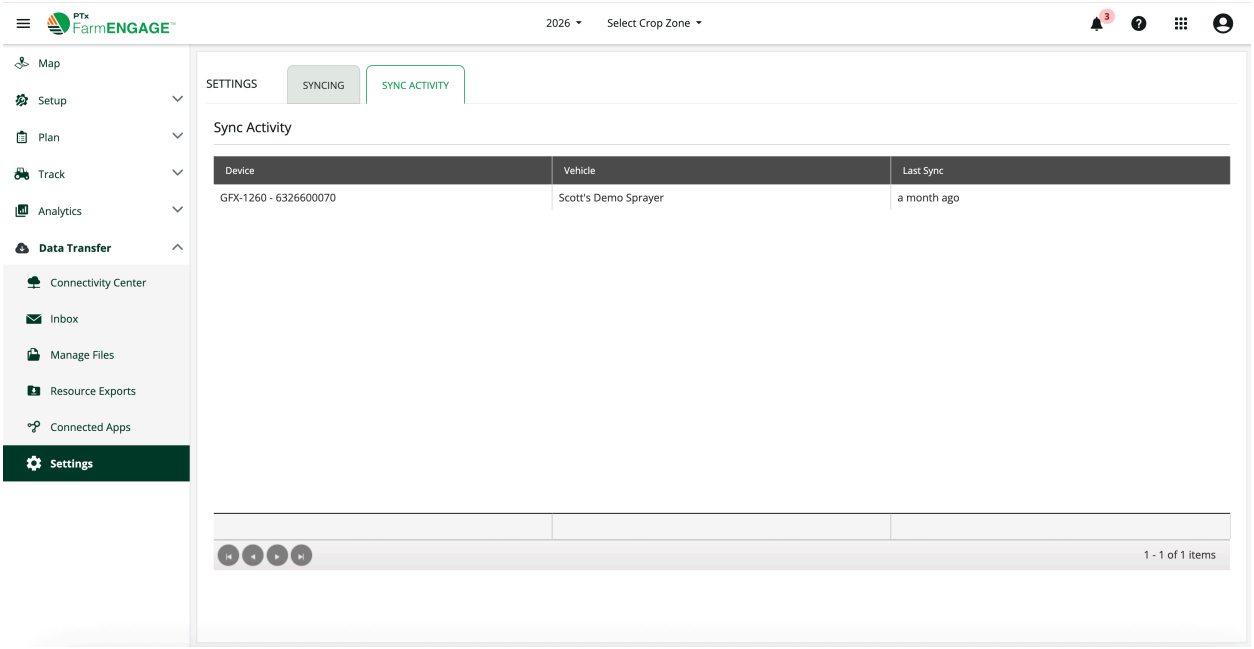
7. Review the Syncing Tips, then click Next



8. Review the Sync Preview
    a. Sync Preview provides a count of Resources on the Display and Online with the number of Resources to sync listed
    b. Estimated Sync Time is shown, and should reflect a conservative estimate
9. Click Start Sync to begin the sync process or Cancel to postpone until a later time
    a. The display will be temporarily disabled during the sync process

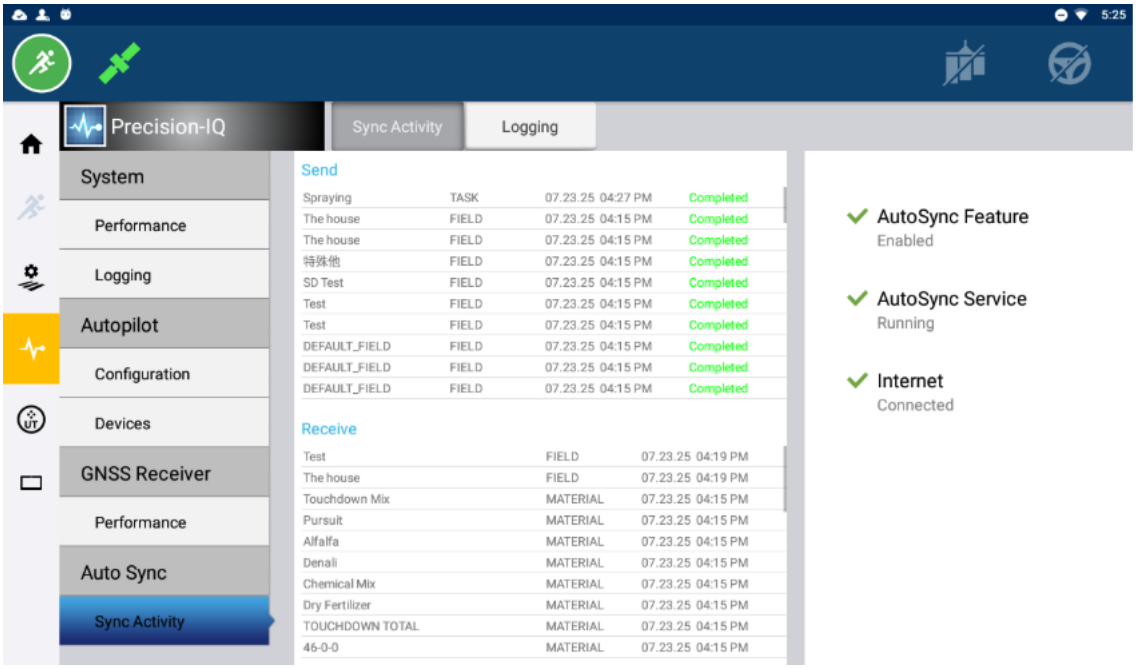
How to Monitor Synchronization in FarmENGAGE

1. Navigate to Data Transfer > Settings > Sync Activity
2. Here you can Track the Status of your vehicles/devices sync communication



How to Monitor Synchronization in Precision-IQ

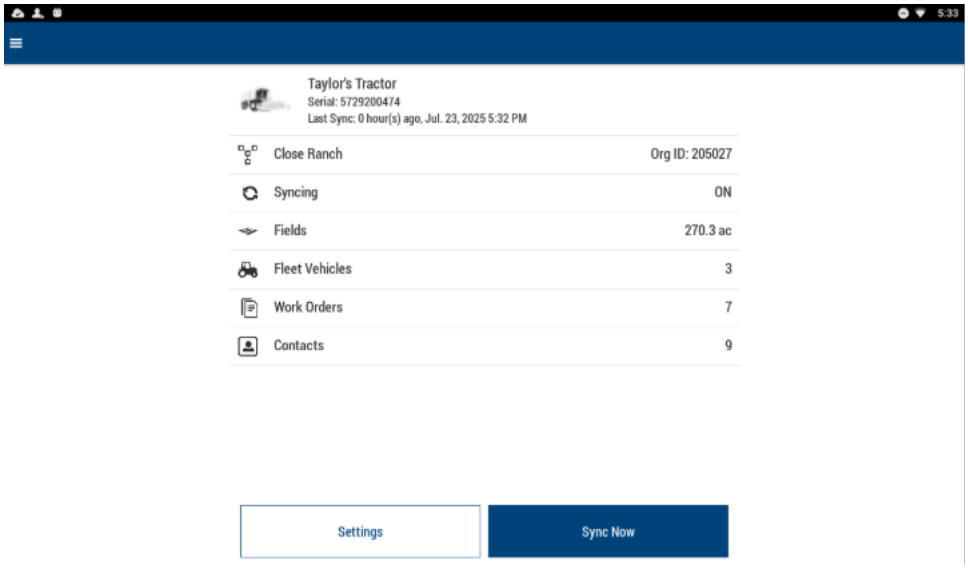
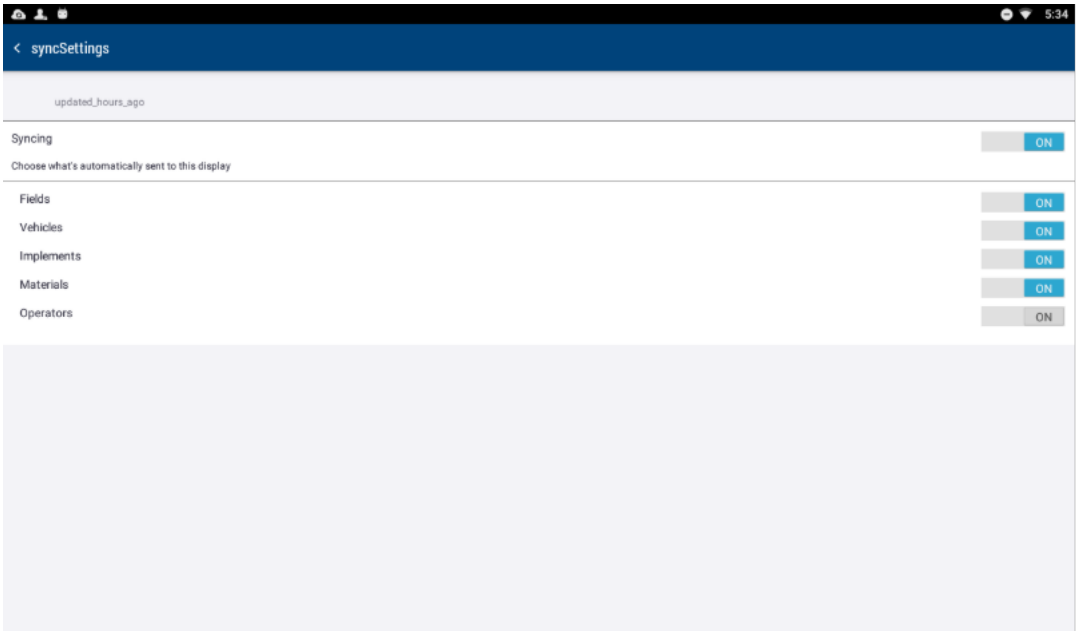
1. Navigate to Precision-IQ on your display
2. Tap on the Pulse diagnostics icon on the left navigation
3. Tap on AutoSync > Sync Activity to view the status of all data syncing



How to Review Sync Setting in the Precision-IQ AutoSync Service App

The AutoSync Service App is available in the installed apps area if you need to review the sync information or review the Sync Settings.

1. Open the AutoSync Service App



2. Click on the Settings button to view or make changes to the Sync Settings
3. To manually initiate a Sync, click the Sync Now button