



# Seeker X, StrataSync and Mobile Tech

Setting, Deploying, and Syncing Configurations  
+ Firmware upgrades

April 2021



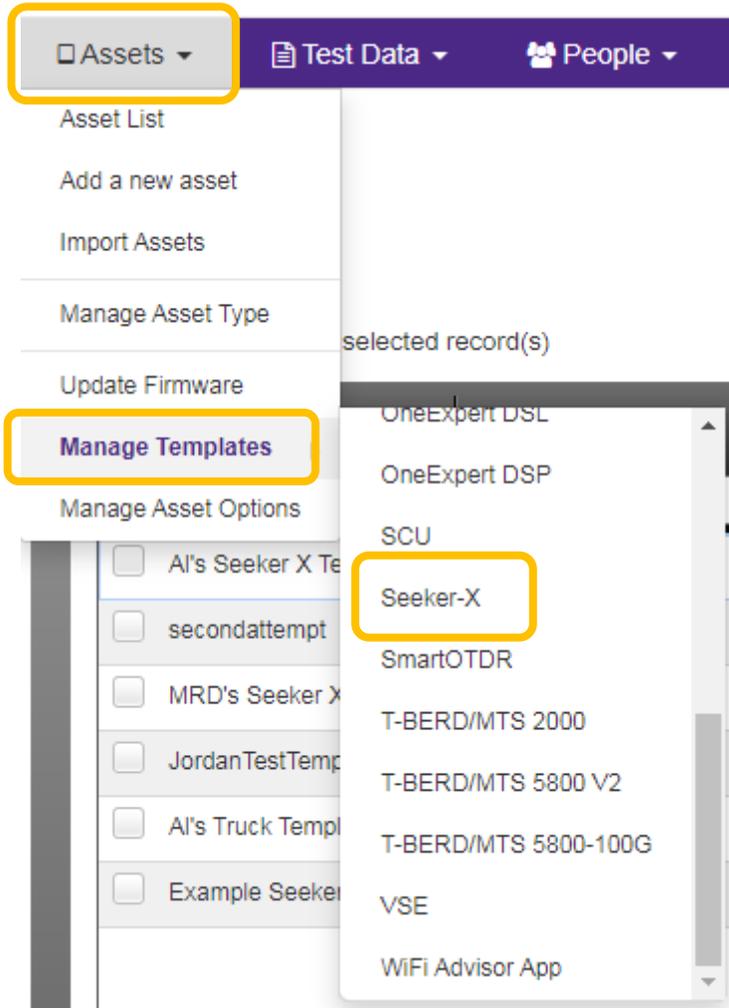
# How Seeker X and MCA III are synced with StrataSync



1. Seeker X as well as MCA III configurations and firmware updates can be deployed to specific Seeker X devices from StrataSync
2. Seeker X configurations and firmware as well as all MCA III configurations and firmware are synced to the Seeker X through the Viavi Mobile Tech Application via an active Bluetooth Low Energy (BLE) connection
3. MCA III configurations are deployed to the Seeker X that will be docked with the MCA III

# Seeker X Configuration

# Accessing Seeker X Configurations in StrataSync



- To access configurations for the Seeker X in StrataSync press the Assets Tab at the top of StrataSync
- Then select the “Manage Templates” to open the list of instruments
- Scroll down to, and select, “Seeker X”
- This will open the “Manage Templates: Seeker X” view

# StrataSync Seeker X Configurations Overview

- Individual configurations for the Seeker X can be set independently from the two MCA III configurations

## Manage Templates: Seeker-X

Current Filters Remove all

### Global Archives

Seeker-X Configuration

MCA III General  
Configuration

MCA III Truck Configuration

- The “MCA III General Configuration” is likely a common configuration that all MCA III’s should use
- The “MCA III Truck Configuration” is likely more specific and deals with setting up Wi-Fi and Ethernet configurations
- The MCA III has two configurations which can be deployed via a Seeker X sync with StrataSync which will then update any MCA III that Seeker X is docked with

# Seeker X Configurations

- The Seeker X configurations include the Squelch level and units of measurement
- It also includes the configurations to set Tag signal frequencies and types for any of the available four separate configurations

**Seeker-X Configuration**

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**General Seeker-X Settings**

Squelch   Meter Units  ▼

Custom Name

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**Carrier Configurations**

	Enable	Frequency		Signal Type	Tag	Level to Adjacent		Adjacent Type	Truck Antenna	Walkout Antenna
1	<input type="button" value="Enable"/> ▼	<input type="text" value="138"/>	<input type="text" value="MHz"/>	<input type="button" value="Dual CW"/> ▼	<input type="text" value="1"/> ▼	<input type="text" value="-30"/>	<input type="text" value="dB"/>	<input type="button" value="Digital"/> ▼	<input type="button" value="AVM-3"/> ▼	<input type="button" value="WFS-1"/> ▼
2	<input type="button" value="Enable"/> ▼	<input type="text" value="612"/>	<input type="text" value="MHz"/>	<input type="button" value="Dual CW"/> ▼	<input type="text" value="1"/> ▼	<input type="text" value="-30"/>	<input type="text" value="dB"/>	<input type="button" value="Digital"/> ▼	<input type="button" value="WVM-2"/> ▼	<input type="button" value="WFS-2"/> ▼
3	<input type="button" value="Enable"/> ▼	<input type="text" value="690"/>	<input type="text" value="MHz"/>	<input type="button" value="OFDM"/> ▼	<input type="text" value="50k, 512"/> ▼	<input type="text" value="0"/>	<input type="text" value="dB"/>	<input type="button" value="Digital"/> ▼	<input type="button" value="WVM-2"/> ▼	<input type="button" value="WFS-2"/> ▼
4	<input type="button" value="Disable"/> ▼	<input type="text" value="138"/>	<input type="text" value="MHz"/>	<input type="button" value="Dual CW"/> ▼	<input type="text" value="1"/> ▼	<input type="text" value="-30"/>	<input type="text" value="dB"/>	<input type="button" value="Digital"/> ▼	<input type="button" value="AVM-3"/> ▼	<input type="button" value="WFS-1"/> ▼

# Seeker X Configurations - General Seeker X Settings

1. The Squelch level determines at what signal strength level the Seeker will begin to make an audible tone so Technicians can hear when a leak has been detected
2. The Meter Units are the units of measurement the Seeker will use when reporting leak levels

The screenshot displays the 'Seeker-X Configuration' interface, specifically the 'General Seeker-X Settings' section. It features two main configuration fields: 'Squelch' and 'Meter Units'. The 'Squelch' field is a text input containing the value '17', with a yellow box labeled '1' highlighting it. The 'Meter Units' field is a dropdown menu currently showing 'uV/m', with a yellow box labeled '2' highlighting it. Below the main interface, a detailed view of the 'Meter Units' dropdown menu is shown, listing four options: 'uV/m', 'dBuV', 'uV/m' (which is highlighted in blue), and 'dBuV/m'. The label 'Meter Units' is positioned to the left of the dropdown menu.

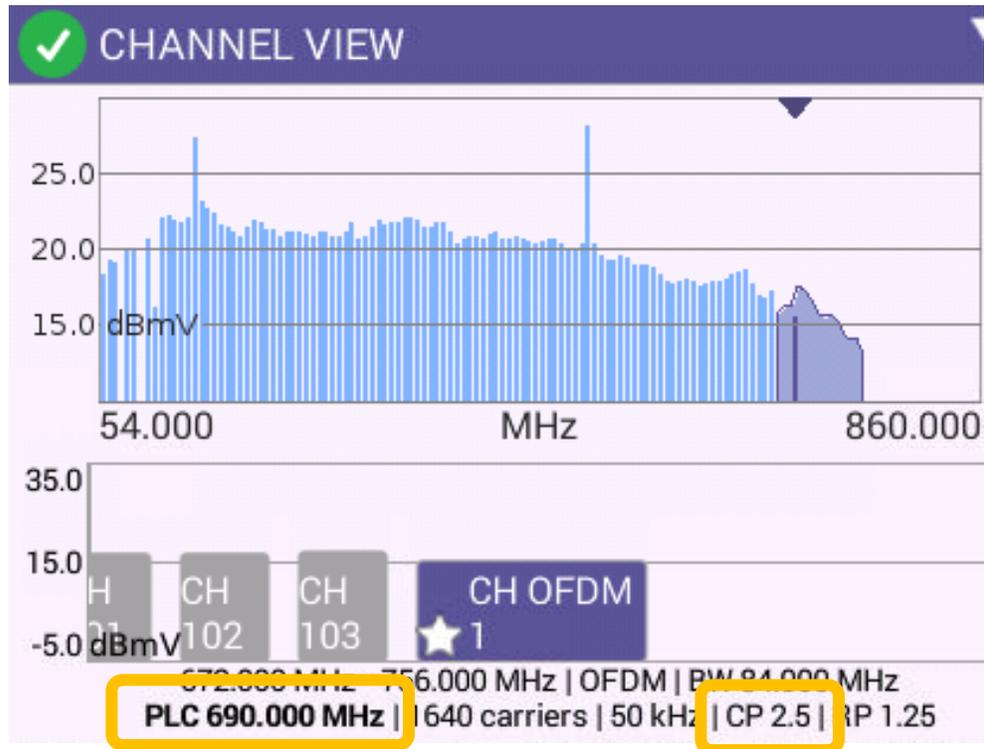
# Seeker X Configurations – Carrier Configurations

- The Carrier Configurations entered into StataSync must match the CT-X configured tag frequencies
- Enable – Enables or Disables that specific tag carrier from the list of tags the Seeker X will use
- Frequency – Tells the Seeker X the frequency of the tag carrier (OFDM uses the PLC center frequency)
- Signal Type – Type of tag carrier used - Dual CW, Chirp, or OFDM are selectable
- Tag number – Each tag type has a few variations to help further differentiate tag carriers
  - OFDM carriers need to have their Sub Carrier Spacing (25 kHz or 50 kHz) and Cyclic Prefix (CP) selected

Carrier Configurations										
	Enable	Frequency		Signal Type	Tag	Level to Adjacent		Adjacent Type	Truck Antenna	Walkout Antenna
1	Enable	138	MHz	Dual CW	1	-30	dB	Digital	AVM-3	WFS-1
2	Enable	612	MHz	Dual CW	1	-30	dB	Digital	WVM-2	WFS-2
3	Enable	690	MHz	OFDM	50k, 512	0	dB	Digital	WVM-2	WFS-2
4	Disable	138	MHz	Dual CW	1	-30	dB	Digital	AVM-3	WFS-1

# OFDM Carrier Configuration

- The necessary OFDM carrier information can be determined with the ONX by selecting the downstream OFDM carrier
- Below the Channel View graph is the OFDM channel's PLC frequency and Cyclic Prefix (CP)
- Using the table allows for conversion of Cyclic Prefix from time to samples



**Table 7–34 - Downstream Cyclic Prefix (CP) Values**

Cyclic Prefix ( $\mu\text{s}$ )	Cyclic Prefix Samples ( $N_{cp}$ )
0.9375	192
1.25	256
2.5	512
3.75	768
5.0	1024

# MCA III Configuration



# MCA III

# General Configuration

# MCA III General Configuration

- The MCA III General Configuration is a collection of MCA III configurations which would likely be identical for every MCA III in a group
- This configuration could be deployed as part of a StrataSync configuration Template so all MCA III devices in that group will have the same configuration

### MCA III General Configuration

#### General Configuration

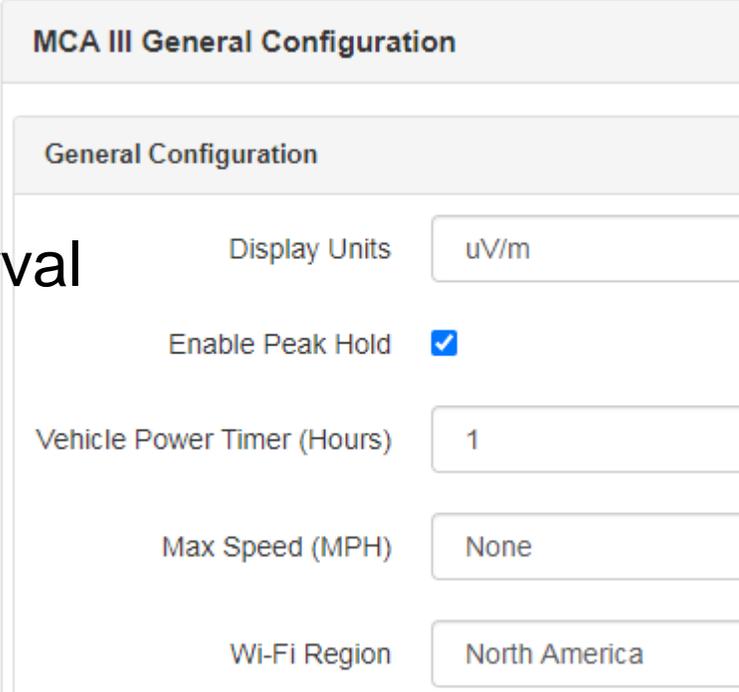
Display Units	<input type="text" value="uV/m"/>
Enable Peak Hold	<input checked="" type="checkbox"/>
Vehicle Power Timer (Hours)	<input type="text" value="1"/>
Max Speed (MPH)	<input type="text" value="None"/>
Wi-Fi Region	<input type="text" value="North America"/>

#### Early Detection Notification (EDN) Configuration

Enable Leak EDN	<input checked="" type="checkbox"/>
Enable Snapshot EDN	<input checked="" type="checkbox"/>
EDN Threshold	<input type="text" value="200"/> <input type="text" value="uV/m"/>
EDN Trigger Percentage	<input type="text" value="50%"/>

# MCA III General Configuration

- The MCA III General Configuration will set the following configurations
  - Display Units – Choose the measurement units desired -  $\mu\text{V}/\text{m}$ ,  $\text{dB}\mu\text{V}/\text{m}$ ,  $\text{dB}\mu\text{V}$
  - Enable Peak Hold – If checked will log the peak value detected by the Seeker since the last logging interval
  - Vehicle Power Timer (Hours) – Sets how long after the truck has been turned off that the MCA III and Seeker will power down – duration should be set to also allow for sync timer to trigger a sync prior to powering off
  - Max Speed (MPH) – If selected will not track leakage if traveling above the speed configured
  - Wi-Fi Region – Determines which Wi-Fi channels to use based on Geographic location and regional Wi-Fi signals



The screenshot displays the 'MCA III General Configuration' interface. It features a 'General Configuration' section with the following settings:

Configuration Item	Value
Display Units	uV/m
Enable Peak Hold	<input checked="" type="checkbox"/>
Vehicle Power Timer (Hours)	1
Max Speed (MPH)	None
Wi-Fi Region	North America

# MCA III General Configuration

- The Early Detection Notification (EDN) Configuration section will configure how the MCA III handles EDNs and Snapshots
- Enable Leak EDN – If checked will tell the MCA III to immediately upload leaks that have been discovered that exceed the EDN threshold value.
- Enable Snapshot EDN – When checked will immediately upload any Snapshot taken on the Seeker while in the field when the meter is docked
- EDN Threshold – While driving, if the Seeker has detected a leak that exceeds the “EDN Threshold” level, this leak will be tracked for the maximum peak leak level until the leak has dropped below the Peak value’s calculated EDN Trigger Percentage, then this EDN will be immediately uploaded to LAW so a Work Order can be created.
- EDN Trigger Percentage – Helps determine when an EDN leak has been fully discovered and triggers when the EDN is to be considered completely captured. Only after the EDN leak level has decreased below the calculated EDN Trigger Percentage of the tracked peak level, will the EDN be sent to LAW.

### Early Detection Notification (EDN) Configuration

Enable Leak EDN	<input checked="" type="checkbox"/>
Enable Snapshot EDN	<input checked="" type="checkbox"/>
EDN Threshold	<input type="text" value="200"/> <input type="text" value="uV/m"/>
EDN Trigger Percentage	<input type="text" value="50%"/> <input type="button" value="v"/>

# MCA III LAW Configuration

- To send data from the MCA III to LAW-X a few items need to be configured
- Connection Method – Select either Hostname if using a known URL or select IP address if using a known IP address
- Port Number – Enter the TCP IP port number that the MCA III will use to communicate with the LAW-X Server

## URL Connection Method

LAW	
Connection Method	Hostname
Hostname	lawdemo.viavisolutions.com
Port #	24027

## IP Address Connection Method

LAW	
Connection Method	IP Address
IP Address	123.45.67.89
Port #	24027

# MCA III Remote Upload and Vehicle Tracking Configurations

## Remote Upload Configuration

- Enable Remote Upload – Enable this checkbox to sync the MCA III data to LAW-X via Wi-Fi – otherwise the data will remain on the MCA III so it can be manually uploaded using the manual data upload procedure
- Upload Interval (Hours) – Determines how much time will elapse before the MCA III will attempt to upload its leakage and ride-out data

## Vehicle Tracking Configuration (Not yet implemented)

- Currently this configuration can be ignored

Press the Save Button when finished

The screenshot displays a configuration window with two main sections: 'Remote Upload Configuration' and 'Vehicle Tracking'. In the 'Remote Upload Configuration' section, the 'Enable Remote Upload' checkbox is checked, and the 'Upload Interval (Hours)' is set to 1. In the 'Vehicle Tracking' section, the 'Enable Vehicle Tracking' checkbox is unchecked, and the 'Upload Interval (Minutes)' is set to 1. At the bottom right of the window, there are 'Save' and 'Cancel' buttons.

Remote Upload Configuration	
Enable Remote Upload	<input checked="" type="checkbox"/>
Upload Interval (Hours)	1

Vehicle Tracking	
Enable Vehicle Tracking	<input type="checkbox"/>
Upload Interval (Minutes)	1

Save Cancel



**MCA III**

**Truck  
Configuration**

# MCA III Truck Configuration

- The second MCA III configuration available in StrataSync is the MCA III Truck Configuration
- These settings will be more unique per each truck or technician, which may require individual configurations
- The Truck ID should match what is set in LAW-X for the Truck ID
- Specific Wi-Fi connections may only be available to individual techs
  - For example, all techs might utilize a Wi-Fi network at a specific garage, check “Home Access Point” for this scenario,
  - However, individual techs may have a Wi-Fi hotspot on their phone that has a unique SSID to that tech’s phone, do not check “Home Access Point” for this scenario

### MCA III Truck Configuration

Truck ID

#### Ethernet and WiFi Access Points

Descending Priority

Ethernet <input checked="" type="checkbox"/>	RWep1_5.0GHz <input checked="" type="checkbox"/>	WiFi_Garage_2 <input checked="" type="checkbox"/>
Wi-Fi 10 <input checked="" type="checkbox"/>		

#### Access Point Configuration

Change Priority

Enable

SSID

Home Access Point

Wi-Fi Band

# MCA III Truck Configuration

- Set the Truck ID to match the expected technician's Truck ID set in LAW-X
  - This needs to match so LAW-X knows to process the data correctly
- There are 11 Tabs available to configure the various Ethernet and Wi-Fi Access Points which can be reordered based on desired connection priority – The MCA III will go through each connection – in the order they are listed – when attempting to communicate

The screenshot displays the 'MCA III Truck Configuration' interface. At the top, the title 'MCA III Truck Configuration' is shown. Below it, there is a 'Truck ID' field with the value 'exampletruck1'. The next section is 'Ethernet and WiFi Access Points' with a 'Descending Priority' label. It contains four tabs: 'Ethernet' (checked), 'RWep1\_5.0GHz' (checked), 'WiFi\_Garage\_2' (checked), and 'Wi-Fi 10' (unchecked). The 'Access Point Configuration' section for the selected 'RWep1\_5.0GHz' tab includes: 'Change Priority' with a double arrow icon, 'Enable' with a checked checkbox, 'SSID' with the value 'RWep1\_5.0GHz', 'Home Access Point' with an unchecked checkbox, and 'Wi-Fi Band' with the value '5.0 GHz'.

# MCA III Truck Configuration

## For Ethernet Communications

- Check the “Enable” box if the MCA III should be expected to communicate over Ethernet
- If using a Static IP check that box and enter the IP information
- If no Static IP address is selected the MCA III will use DHCP when connecting

The screenshot displays the configuration interface for Ethernet and WiFi access points. It is organized into three main sections:

- Ethernet and WiFi Access Points**: This section is titled "Descending Priority" and lists four options: "Ethernet" (checked), "RWep1\_5.0GHz" (checked), "Wi-Fi 8" (unchecked), and "Wi-Fi 9" (unchecked).
- Ethernet Configuration**: This section includes a "Change Priority" button with a right-pointing arrow and an "Enable" checkbox that is checked.
- IP Configuration**: This section includes a "Use Static IP" checkbox (unchecked), and three input fields for "Static IP Address", "Subnet", and "Gateway".

# MCA III Truck Configuration

## Wi-Fi Access Point Configurations:

- To configure the Wi-Fi Access Points, select one of the ten Wi-Fi configuration tabs and enable those desired to be used changing the priority to arrange for the more common Access Points to be first
- Configure the SSID, Wi-Fi Band, Security protocol, and Password (ASCII Key) to match the desired Wi-Fi Access Point

**Home Access Point:** Home Access Point is designed to be used with external access points mounted on buildings, not constantly available mobile access points inside the vehicle. When checked, the MCAIII will constantly look for all access points designated as a “Home Access Point” and will connect to and upload leakage data whenever the SSID is recognized. DO NOT check “Home Access Point” for access points that will be in the vehicle and will be active all the time.

The screenshot displays the configuration interface for the MCA III truck. It is divided into two main sections: 'Access Point Configuration' and 'Security'.  
In the 'Access Point Configuration' section, there are several settings:

- 'Change Priority' is represented by a double-headed blue arrow icon.
- 'Enable' is a checkbox that is checked with a blue checkmark.
- 'SSID' is a text input field containing the value 'RWep1\_5.0GHz'.
- 'Home Access Point' is a checkbox that is currently unchecked.
- 'Wi-Fi Band' is a text input field containing the value '5.0 GHz'.

The 'Security' section contains the following settings:

- 'Protocol' is a text input field containing the value 'WPA2-PSK (AES)'.
- 'ASCII Key' is a text input field containing a series of ten asterisks '\*\*\*\*\*' to represent a password.

# MCA III Truck Configuration

- When setting up the Access Points for either the Ethernet or Wi-Fi Access Points, if using a Static IP check that box when configuring the Access Point and enter the IP information
- If the “Use Static IP” box is not enabled the MCA III will use DHCP when connecting to this Access Point

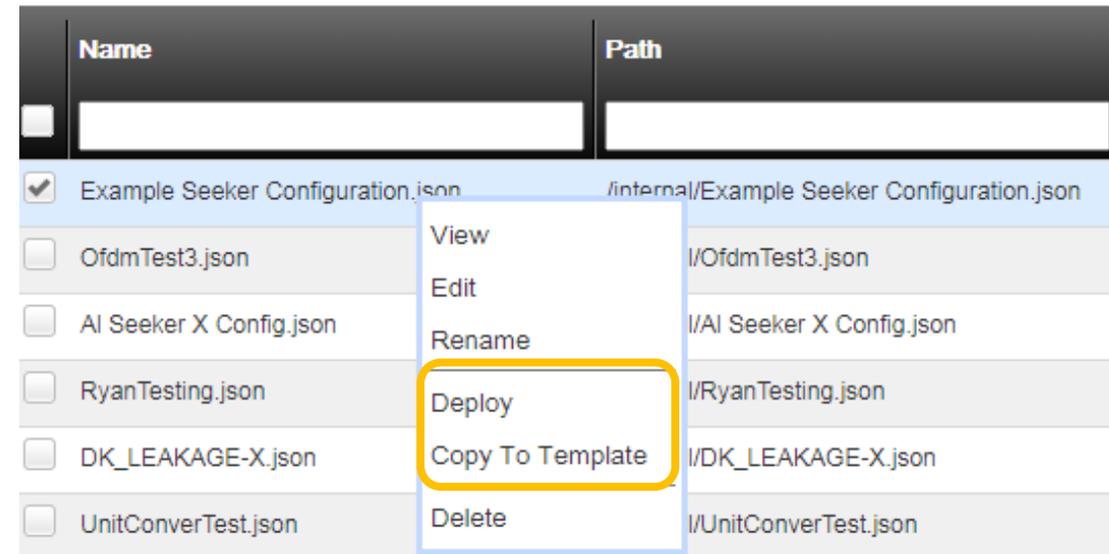
The screenshot shows a web interface for IP Configuration. It features a section titled "IP Configuration" with a sub-section "Use Static IP" which is checked. Below this, there are three input fields: "Static IP Address" with the value "10.0.0.150", "Subnet" with "255.255.255.252", and "Gateway" with "10.0.0.1". A second section titled "Custom DNS (Blank for default)" contains two input fields: "DNS 1" with "8.8.8.8" and "DNS 2" which is empty.

IP Configuration	
Use Static IP	<input checked="" type="checkbox"/>
Static IP Address	<input type="text" value="10.0.0.150"/>
Subnet	<input type="text" value="255.255.255.252"/>
Gateway	<input type="text" value="10.0.0.1"/>
Custom DNS (Blank for default)	
DNS 1	<input type="text" value="8.8.8.8"/>
DNS 2	<input type="text"/>

# Deployment of Configurations

# Seeker X Configuration – Deploy or Copy To Template

- Once the Seeker X configuration is complete it needs to either be:
  - Deployed directly to a Seeker X or group of Seeker X units
  - Copied to a Template so groups of configurations can be deployed to a Seeker X or group of Seeker X units
- Select the configuration and right click (Action button) to view the available actions that can be taken
  - Select “Deploy” to directly deploy the configuration
  - Select “Copy To Template” to add this Seeker X configuration to a Seeker X configuration Template



The screenshot shows a table with two columns: 'Name' and 'Path'. The first row is selected, and a context menu is open over it. The 'Copy To Template' option is highlighted with a yellow box.

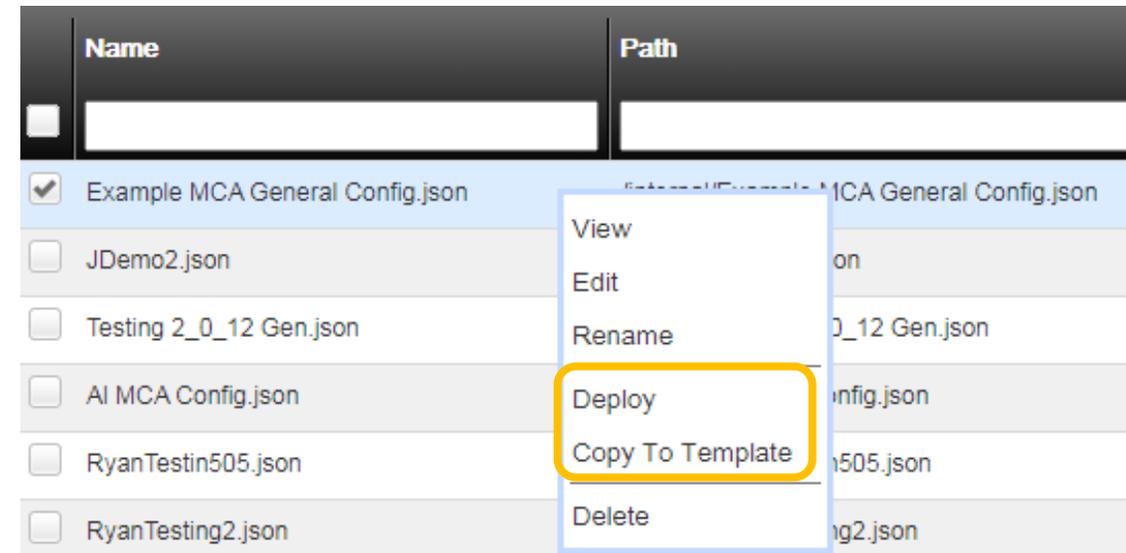
Name	Path
<input checked="" type="checkbox"/> Example Seeker Configuration.json	/internal/Example Seeker Configuration.json
<input type="checkbox"/> OfdmTest3.json	/OfdmTest3.json
<input type="checkbox"/> AI Seeker X Config.json	/AI Seeker X Config.json
<input type="checkbox"/> RyanTesting.json	/RyanTesting.json
<input type="checkbox"/> DK_LEAKAGE-X.json	/DK_LEAKAGE-X.json
<input type="checkbox"/> UnitConverTest.json	/UnitConverTest.json

Context Menu:

- View
- Edit
- Rename
- Deploy
- Copy To Template
- Delete

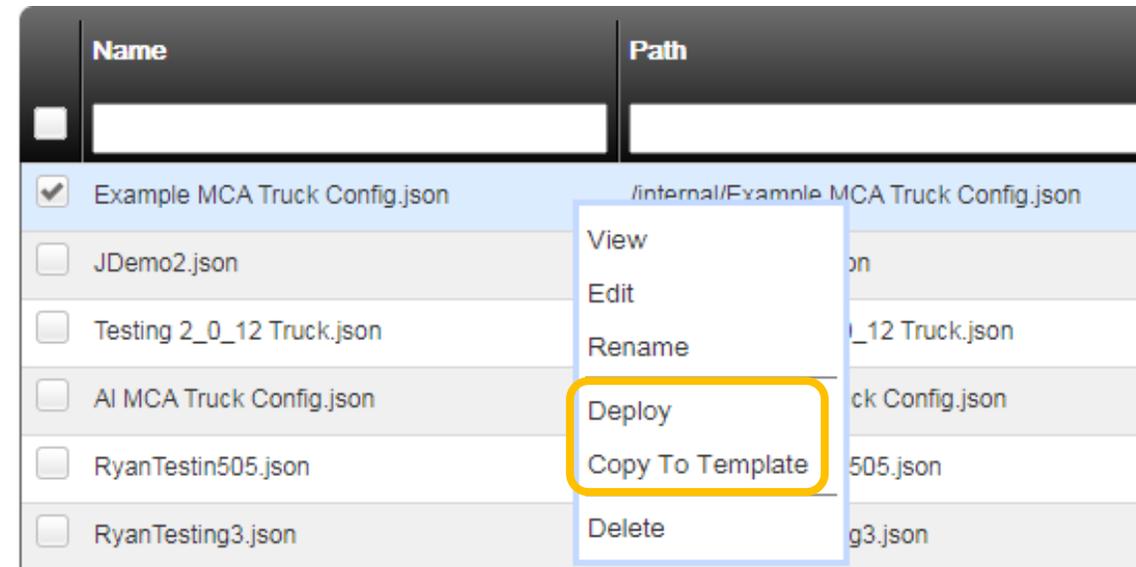
# MCA III General Configuration – Deploy or Copy To Template

- Once the MCA III General configuration is complete it needs to either be:
  - Deployed directly to a Seeker X or group of Seeker X units
  - Copied to a Template so groups of configurations can be deployed to a Seeker X or group of Seeker X units
- Select the configuration and right click (Action button) to view the available actions that can be taken
  - Select “Deploy” to directly deploy the configuration
  - Select “Copy To Template” to add this MCA III General configuration to a Seeker X configuration Template



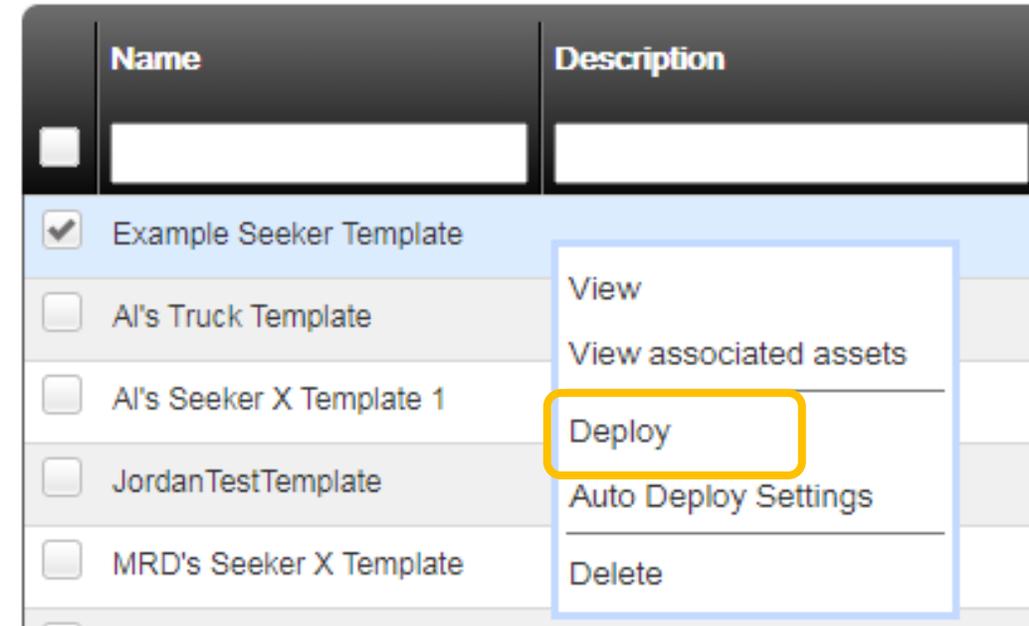
# MCA III Truck Configuration – Deploy or Copy To Template

- Once the MCA III Truck configuration is complete it needs to either be:
  - Deployed directly to a Seeker X or group of Seeker X units
  - Copied to a Template so groups of configurations can be deployed to a Seeker X or group of Seeker X units
- Select the configuration and right click (Action button) to view the available actions that can be taken
  - Select “Deploy” to directly deploy the configuration
  - Select “Copy To Template” to add this MCA III Truck configuration to a Seeker X configuration Template

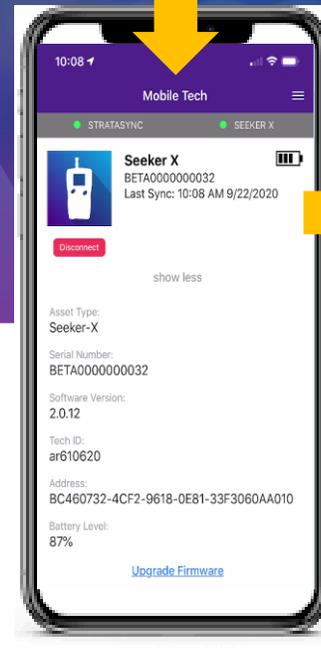


# Configuration Template Deployment

- If using a Seeker X Template and the template configuration is complete, this group of configurations can be deployed directly to a Seeker X or group of Seeker X units
- Select the desired template and right click (Action button) to view the available actions that can be taken
  - Select “Deploy” to deploy the configuration



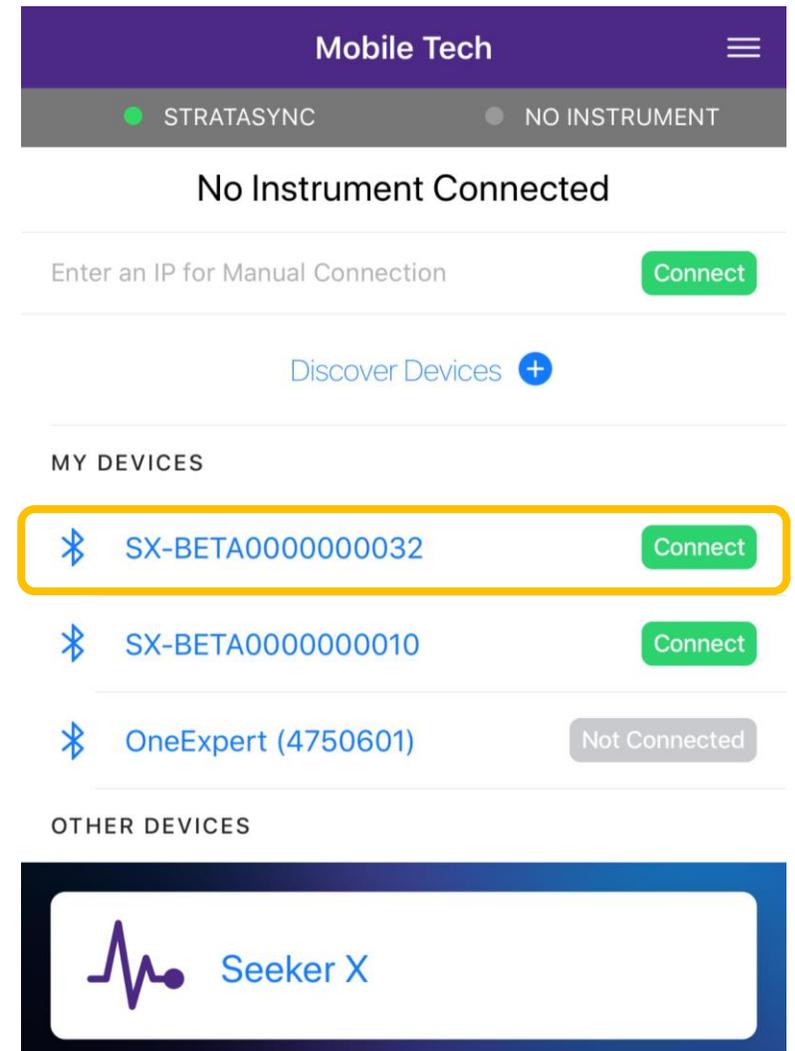
# Syncing Configurations to the Seeker X



# Mobile Tech Connection with Seeker X

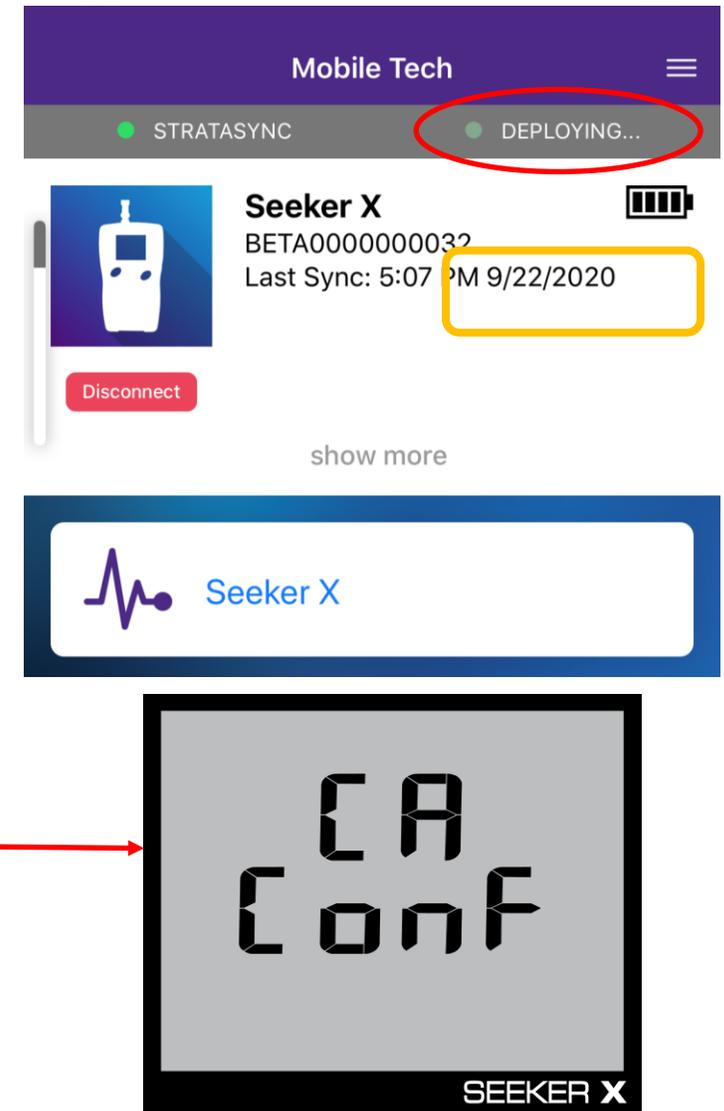
- With the Seeker X near the mobile device – open the Viavi Mobile Tech application
  - The Seeker X and Mobile Tech communicate via Bluetooth Low Energy which typically has a range of less than 10ft / 3m
- If the Seeker X has been connected before it will appear in the “My Devices” section of Mobile Tech
  - If the Seeker X has not been connected before it should appear in the “Other Devices” list
- If the Seeker X is not automatically connected press the “Connect” button to begin the communication process

**NOTE:** Seeker X’s will only sync with StrataSync just after a successful connection has been made



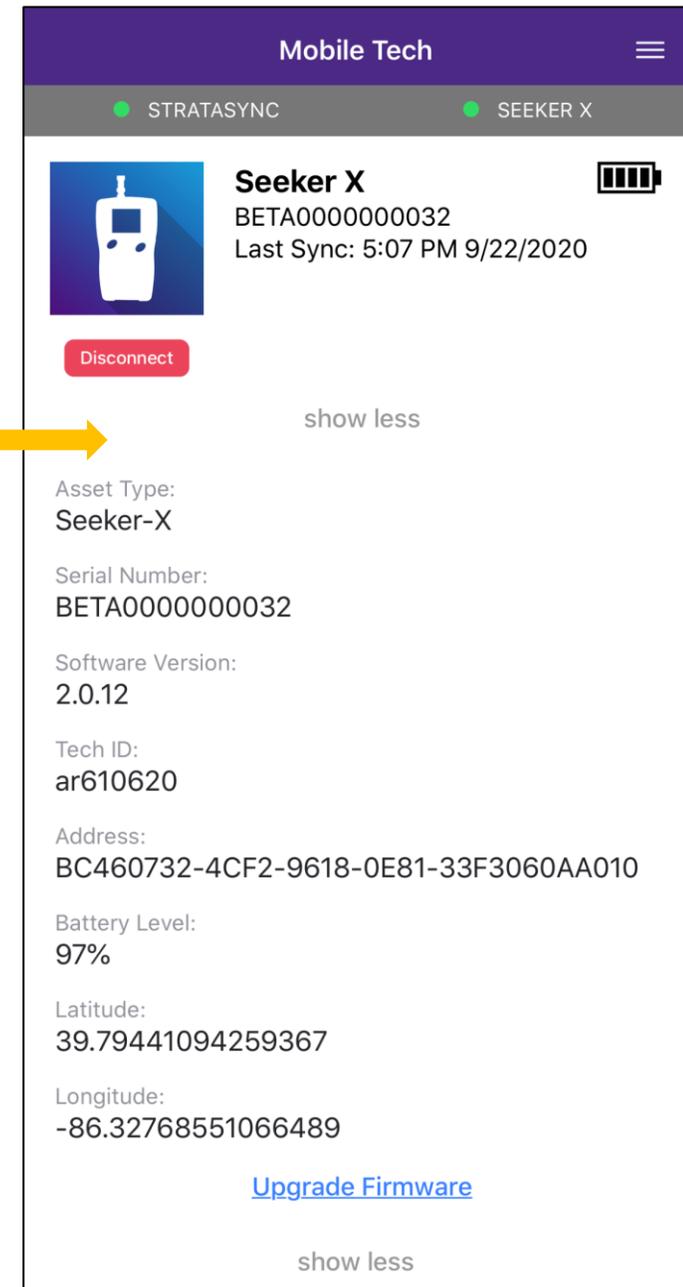
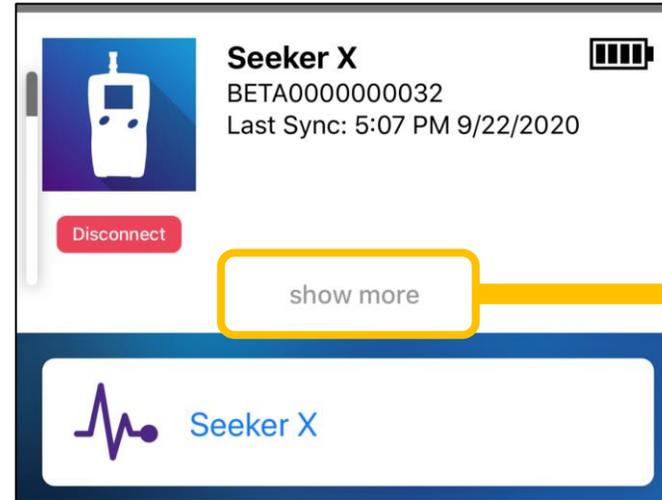
# Deploying Configurations

- Just after the connection is established between Mobile Tech and the Seeker X the configurations (and/or Firmware files) will be synced down to the Seeker X
- These will then be immediately deployed and applied to the Seeker X
- MCA III configurations will be deployed when the Seeker X is docked with an MCA III connected
  - Any MCA III's that is docked with this Seeker X will be given the MCA III configurations (and firmware) that was previously deployed to this Seeker X as displayed on the Seeker X display
  - Following the configuration being sent to the MCA III, the MCA III will reboot automatically

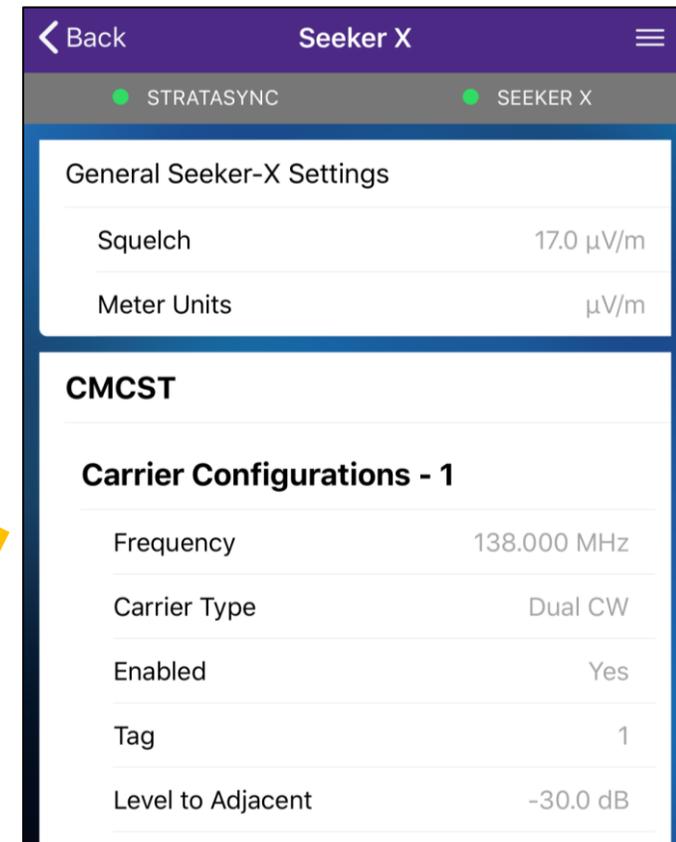
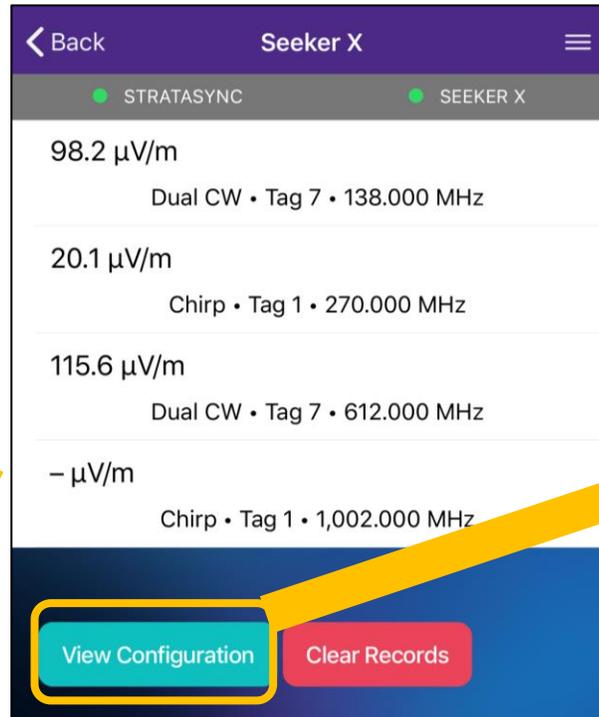
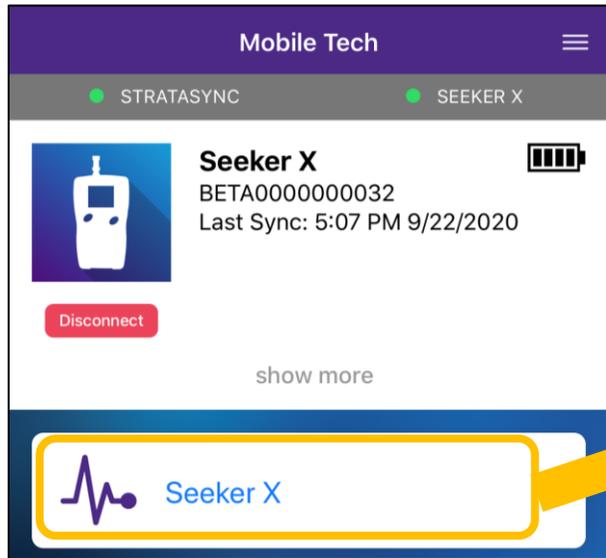


# Seeker X Details on Mobile Tech

- To see more information on the Seeker X press “Show more”
- This will expand the display and will show:
  - Asset Type: Seeker X
  - Seeker X Serial Number
  - Software Version on the Seeker X
  - The Tech ID associated with that Seeker X
  - Bluetooth Identifier Address
  - Battery Level of the Seeker X
  - Latitude and Longitude of the Mobile Tech app



# View Configurations



- Below the Instrument information is the “Seeker X” measurement mode
- Press the Seeker X button will display the active configuration and current measurement values
- Press the “View Configuration” button to see and scroll through all the configurations that were deployed to the Seeker X

**Note:** The “Clear Records” button should only be used when troubleshooting connectivity issues. Clear Records only erases the records located in the Seeker X. To clear the records from the MCA III, first synchronize the data from the MCA III to the Seeker X prior to pressing “Clear Records”

# Update Seeker X and MCA III Firmware

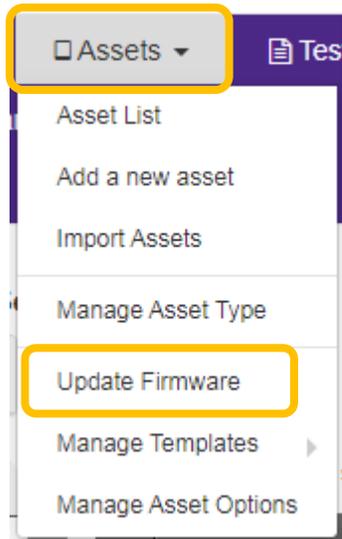
# Updating Seeker X and MCA III Firmware

- The Seeker X can update its firmware deployed from StrataSync through its Bluetooth LE connection to the Mobile Tech application
  - Upgrades to the Seeker X may take longer than 10 mins
  - Ensure the Seeker X's battery is not low or ensure the Seeker X is docked in the mobile mount or the MMC-1 fast charger is connected to the Seeker X
  - The Seeker X will not communicate with the Mobile Tech app when connected / charging via USB
- MCA III firmware updates are deployed to the Seeker X – not directly to the MCA III itself – the Seeker X will push the firmware to the MCA III automatically when it is docked in the mobile mount with an MCA III connected
  - The MCA III will take the firmware, update itself, then reboot to take effect
  - Firmware version 5.05 or higher must be present on the MCA III to understand this firmware update process and apply the newer version

# Firmware Deployment from StrataSync to Seeker X and MCA III

# Deploying Firmware from StrataSync to Seeker X

MCA III Firmware is deployed as part of the Seeker X firmware package



- Firmware updates can be found under the Assets tab
- Select “Update Firmware”
- Ensure the “Online updates” circle is enabled then select the Seeker X as the Asset Type

## UPDATE FIRMWARE - Select an update method

Select a method and click on  under the Action column to deploy

Select an update method:  Online updates  Upload package

Select an asset type to view available online updates:

Enforce Firmware Version

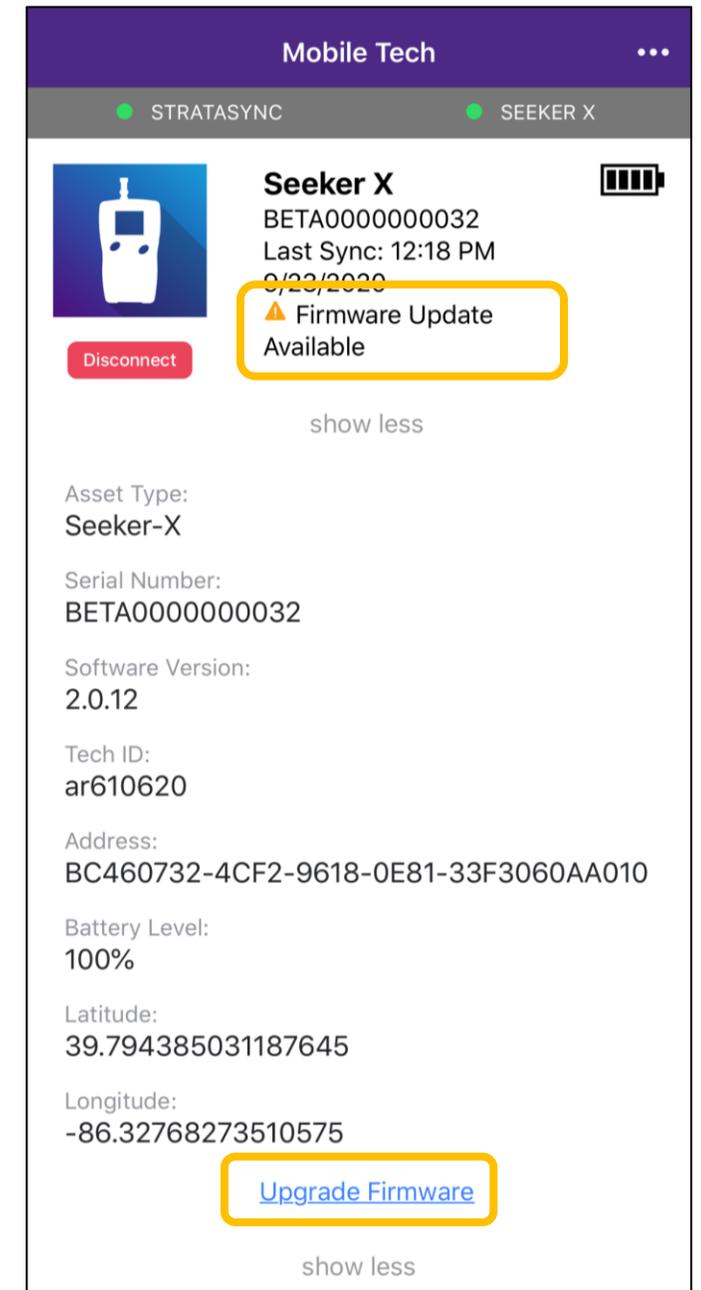
Package Name	Action	Version	Release Date
2.0.12	  	2.0.12	2020/08/21

- Next to the desired firmware press the deploy button that looks like a rocket  and displays “Deploy Now” when hovered over
- Then Select the Seeker X or group of Seeker Xs that should get the firmware update

# Firmware Installation

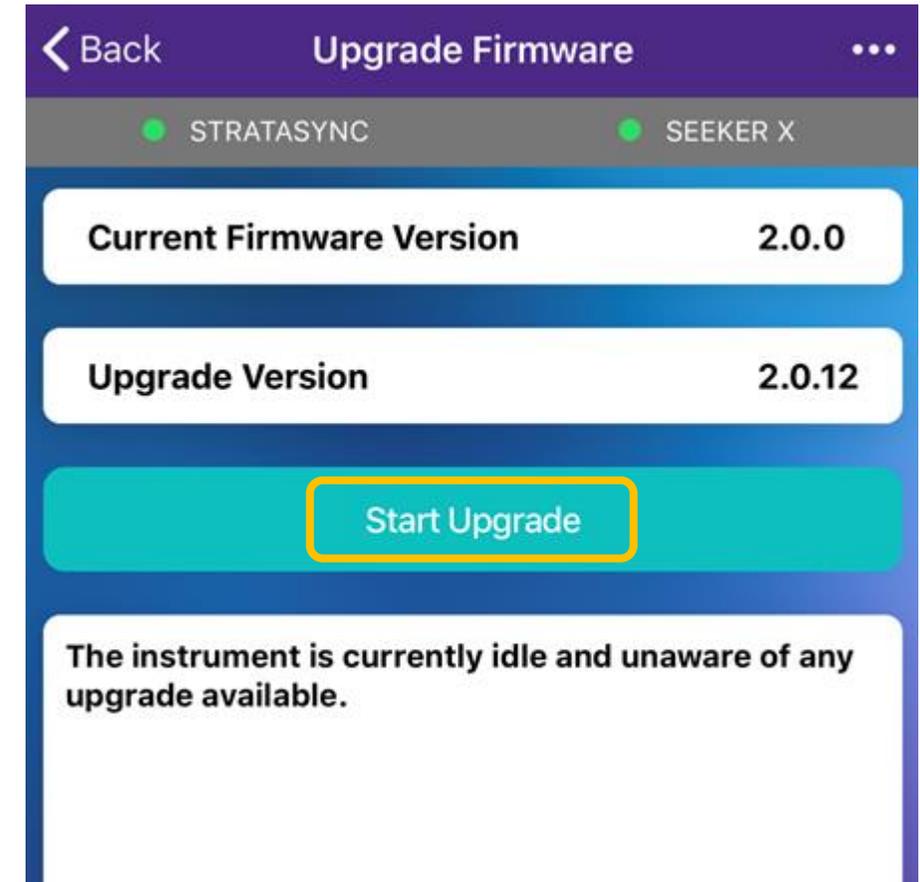
# Updating Seeker X Firmware

- After firmware deployment in StrataSync, connect the Seeker X to the Mobile Tech application
- Mobile Tech will show that a Firmware Update is available just below the last sync time
- Press the “Upgrade Firmware” button at the bottom to see what firmware is to be installed



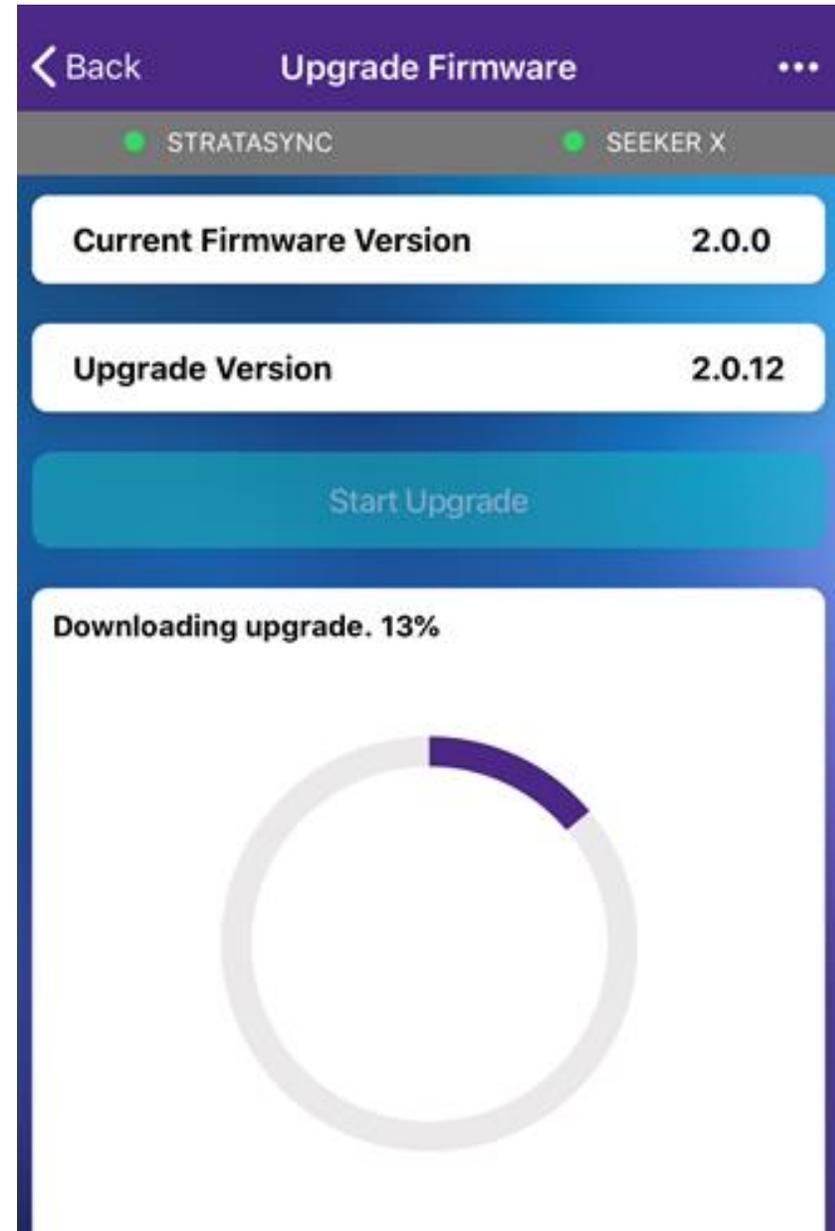
# Starting the Upgrade

- Current firmware version will be displayed
- Upgrade version to be installed is displayed
- Press the “Start Upgrade” button to begin the upgrade download and installation



# Downloading and Installing

- Keep the Seeker X and the mobile device near each other to avoid disrupting the Bluetooth LE connection
- First the firmware file will be downloaded then automatically installed
- The overall process could take 10 – 15 mins
- The Seeker X will reboot when finished



# MCA III Firmware Update via Seeker X

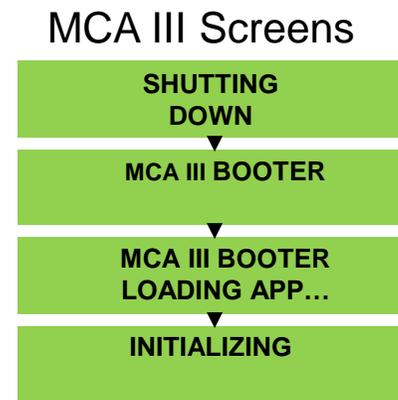
# MCA III Firmware Update

- The MCA III Firmware will be synced to the tech connected to the Seeker X
- Once the Seeker X syncs via the Mobile Tech application the MCA III firmware will be stored on the Seeker X
- When docked into the mobile mount with an MCA III connected the Seeker X will deploy the firmware update to the MCA III automatically
- The MCA III will then update its firmware and reboot



# Deploying Firmware from StrataSync to MCA III

- MCA III firmware is deployed to the Seeker X as part of the Seeker X firmware package when deployed to the meter
- MCA III firmware is upgraded automatically when a Seeker X with a higher version of MCA III firmware is docked in the mobile mount
- You will see the following on the displays of the Seeker X and MCA III if an MCA III firmware upgrade is taking place



# Deploying Firmware from StrataSync to MCA III (explained)

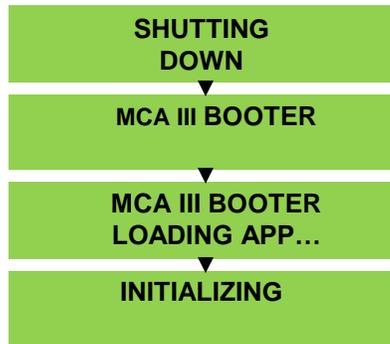


- CA = Communications Adapter
- UP = Upgrade
- Firmware file is transferring to the MCA III
- Progress bar (can take a few minutes)



- CA = Communications Adapter
- UP = Upgrade
- SEnt = Sent
- Transfer of firmware file is complete, MCA III will automatically reboot and apply the upgrade

## MCA III Screens



- MCA III Rebooting (Automatic)
- Upgrading Bootloader
- Loading Application File
- Starting up the new application



- CA = Communications Adapter
- UP = Upgrade
- PASS = Upgrade was successful





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