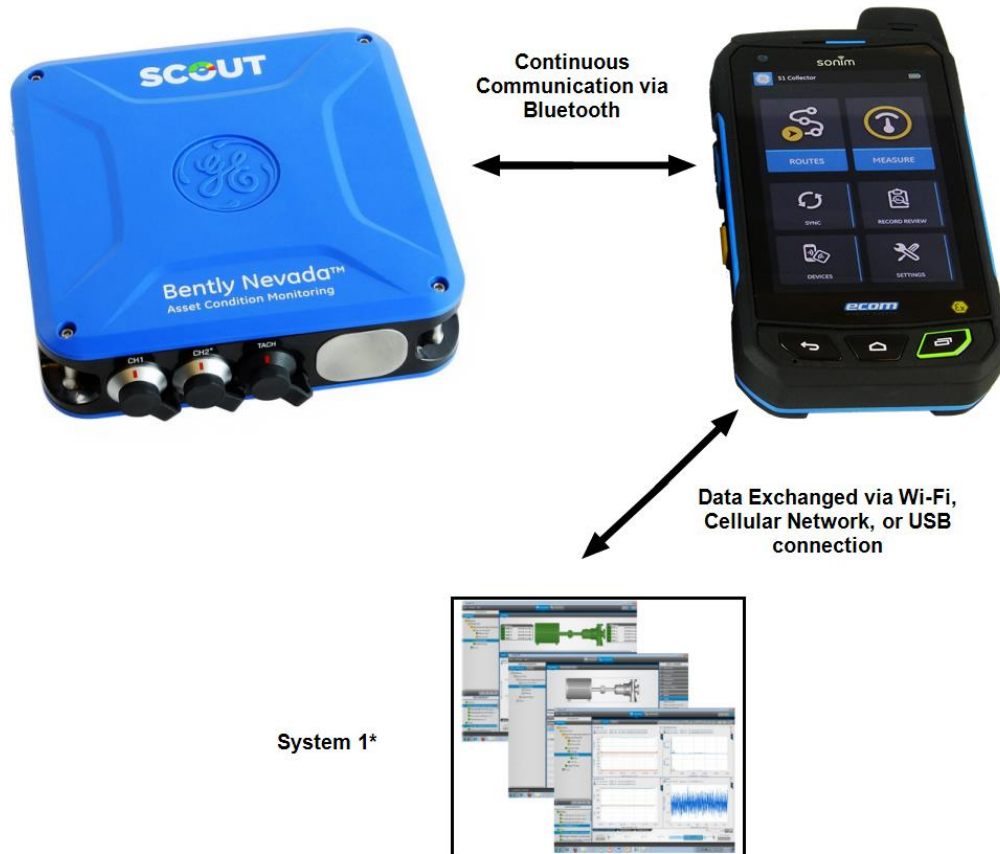


SCOUT200 Series Quick Start Guide

OVERVIEW

- **SCOUT220-IS & SCOUT240-IS** are intrinsically safe portable data collectors designed for hazardous environments. The data collectors are **ATEX Zone 1** and **CSA Class 1 Zone 1** compliant.
- **COMMTEST220 & COMMTEST240** are portable data collectors that cater to non-hazardous environments.
- The industrial handheld is an intrinsically safe interface device.
- **S1 Collector** app runs on the industrial handheld.



⚠ Important Safety Information ⚠



Scout200 Series uses an accelerometer with a powerful magnet base. Do not use your data collector before reading the product safety advisory in the Installation & Operation Manual.



Part Number: 109M1270-01
Rev. C

Fundamentals

Charge Device

Plug the supplied charger into the data collector's **DC port** to charge the device before or during the initial use.

It takes approximately three hours to fully charge the device.



Attach Strap or Belt Clip

To use the shoulder strap, clip the strap to the **safety breakaway rings** already installed on strap rails.

**Attach the strap to the safety breakaway rings only.
Do not attach the strap directly to strap rails.**

To attach the belt clip, place the bottom two edges of the data collector into the clip. Press down on the top two edges to secure the device.



Power Device

Press the **power button**  to turn on the data collector.



Buttons, LEDs and Connectors

Buttons



Power on/off button turns the data collector on and off.



Action button executes the functionality of the primary button on the current toolbar in the app. The primary button is identified by a yellow highlight. This functionality is mostly used for on-route recording.

LEDs



The **Power** LED remains solid green when the device is on. It flashes to indicate low battery.



The **Charging** LED remains steady and amber while the device is charging.



Bluetooth LED is steady when the device is paired with an industrial handheld, but the link is idle.

The LED flashes while the device transfers data to S1 Collector app. The LED is off if the data collector is not currently connected to an industrial handheld.

Connectors



DC Connector

Insert the supplied 12V adapter into the DC connector to charge the data collector. Charge the device in a safe area only.



CH1 & CH2+ LEMO Connectors

are silver with double alignment keys. Connect sensors to these inputs. Use the CH2+ connector with the triple adapter or a triax for four channel models.



TACH Connector

is black with single alignment key. Connect a tachometer or Keyphasor* to Tach Connector.





S1 Collector App Fundamentals


Download and Install S1 Collector App

1. Go to **GE BN Technical Support Portal** at www.bntechsupport.com.
2. Under **Products & Documentation**, select **Download Center**.
3. Select **Browse Software Updates**.
4. Select **Service Packs, Firmware, Misc. Software**.
5. Browse the list of available software to find the app.
6. Select **S1 Collector App**.
7. Follow the instructions to download and install the app.

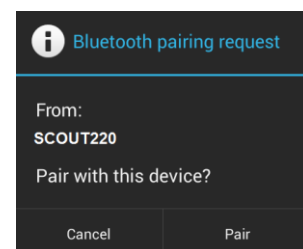
Open S1 Collector App

1. Turn on your industrial handheld.
2. Select **Applications** .
3. Find and select **S1 Collector** .


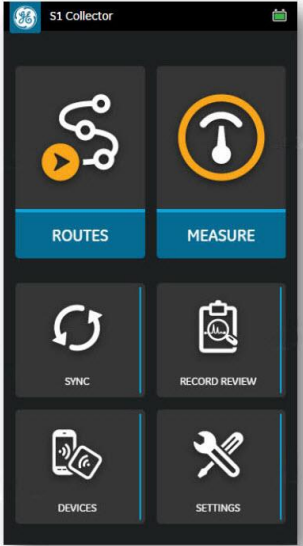






Pair S1 Collector App with SCOUT200 Series

1. Enable Bluetooth on your industrial handheld. Refer to the device's user manual for instructions.
2. Open the **S1 Collector App**.
3. Select **Devices** .
4. Wait while the handheld scans to find nearby data collectors. The app displays a list of available devices.
5. Select your data collector using its serial number. The app displays a message while attempting to connect to the data collector.

Your industrial handheld device may display the **Bluetooth Pairing Request** message when you attempt to connect to a data collector. Select **Pair** to proceed.




S1 Collector App – Main Buttons

	<p>Back / Home — Return to the previous screen. Tap and hold to display a list of recently accessed screens including the app's main menu.</p>	
	<p>ROUTES — Record vibration for a predetermined list of machine locations.</p>	
	<p>MEASURE — Take an off-route recording such as spectrum and waveform measurements.</p>	
	<p>SYNC — Send recorded data from the S1 Collector app to System 1. Receive updated folder and route information from System 1.</p>	
	<p>RECORD REVIEW — Conduct a quick onsite review of recordings on the handheld.</p>	
	<p>DEVICES — Pair the handheld with a data collector and view information about the paired device.</p>	
	<p>SETTINGS — Set preferences for your industrial handheld, app, database, language and measurement units.</p>	


Sync Data

Sync Data Using USB Tethering

1. Select **SYNC**  from the S1 Collector app's main menu.
2. Select the **USB** option.
3. Connect the device to the computer hosting System 1* using a USB cable.
4. From the displayed message on the handheld, select **OK**. The app displays device settings.
5. In **Tethering & portable hotspot**, enable **USB tethering**.
6. Return to the S1 Collector application.
7. Use **Instrument Mode** in System 1* to sync data.
Refer to SCOUT200 Series Installation & Operation Manual, part number 109M1269-01.
8. When synchronization is complete, select **Done**.

Sync Data Using Wi-Fi


To sync data using Wi-Fi, the handheld and computer hosting System 1* must be on the same network subnet.




1. Select **SYNC**  from the S1 Collector app's main menu.
2. Select **Wi-Fi**.
3. Use **Instrument Mode** in System 1* to sync data.
4. When synchronization is complete, select **Done**.

Sync Data with Remote Comms

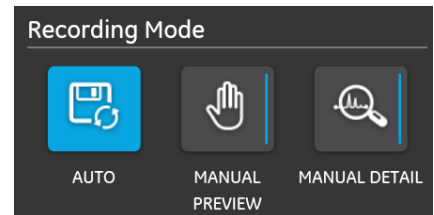
See SCOUT200 Series Installation & Operation Manual, part number 109M1269-01.






Record Route

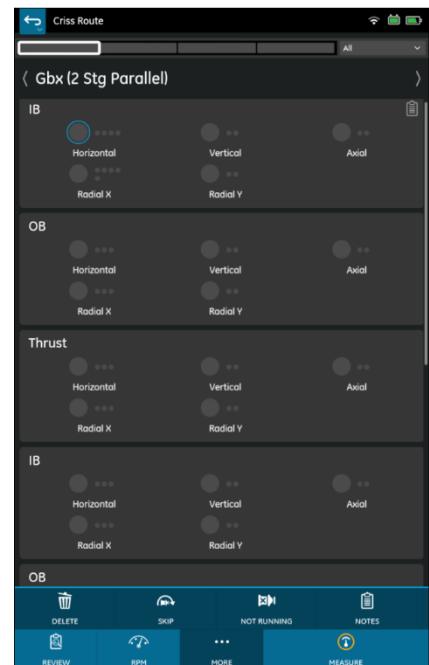
1. Select **ROUTES**  to access **Routes** window.
Routes window displays the list of available routes with the following information for each route:






	Total number of points in the selected route
	Number of points with completed recordings
	Percentage of points with completed recordings

2. Select a database, folder, and route.
The app displays the **Route Configuration** window.
3. Select a **recording mode**.
 - **Auto**
S1 Collector steps through all measurements at the current point and displays the overall result for each measurement.
 - **Manual Preview**
The app displays overall results for each measurement. Analyze or remeasure before proceeding to the next measurement.
 - **Manual Detail**
The app displays detailed results for each measurement. Analyze or remeasure before proceeding to the next measurement.
4. Select **Sensors** to assign a sensor to a channel.
The app displays the **Sensor Setup** window.
5. Select a channel for each connected sensor.
The app displays the **Sensors** window.
6. Select a sensor from the list of available sensors.
7. Select **Done**. The app displays the **Route Configuration** window.




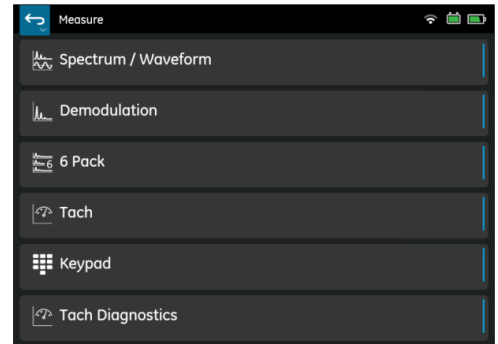
8. Select **START**  or **RESUME** .
The app displays the **Route Details** window.
9. Select **MEASURE**  to start recording the selected point.
After each recording, the app displays the **Measurement Summary** window with these options:
 - Select **ANALYZE**  to view a graph of the recording.
 - Select **REMEASURE**  to retake the recording.
The new recording will overwrite the previous one.



10. Select **NEXT** .
The app saves the recording and begins the next one.
You can take a recording sequentially or use **MORE**  to access the following options:
 - Skip  recording a machine on a route.
 - Toggle the status of a machine from running to not running  and vice versa.
 - Delete  saved recordings for a machine, a point or an axis.
11. **Sync** the data between the S1 Collector app and System 1*.

Off-Route Recording

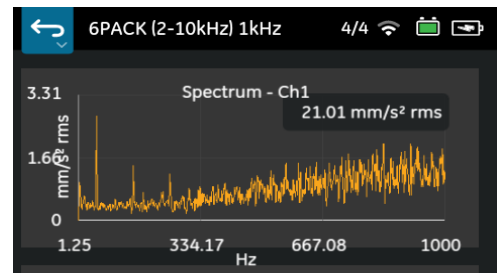
1. Select **MEASURE**  from the app's main menu.
The app displays the **Measure** window with the following options:
 - **Spectrum / Waveform**
Take an off-route spectrum or waveform recording or both.
 - **Demodulation**
Take an off-route demodulation recording.
 - **6 Pack**
Simultaneously record three waveforms and three spectrums per channel.
 - **Tach**
Measure a machine's running speed using a tachometer.
 - **Keypad**
Enter additional information such as temperature, pressure, or motor current of a machine.
 - **Tach Diagnostics**
Troubleshoot tachometer input signals or triggering problems. Adjust threshold and hysteresis settings.




2. Select a measurement type such as **6Pack**.
The app displays the **Measure Configuration** window.
3. You may change the default parameter set and the default sensor.


In the S1 Collector app, a **thin blue line** next to an option represents a **drill-down menu**. The drill-down menu bar gives you access to related operations.

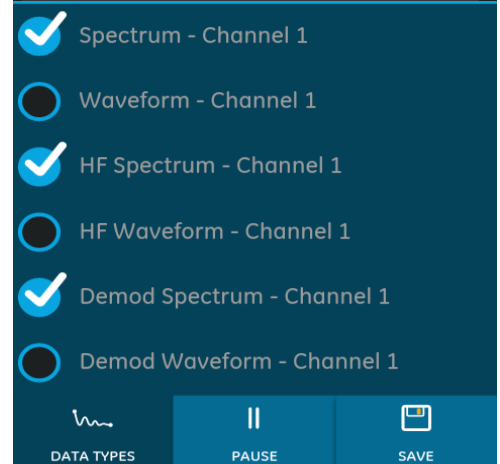
Use the blue **Drill-Down Menu Bar** next to the parameter set and the sensor to change sensor settings.



4. Select **MEASURE**  to start an off-route recording.
During the recording, the app displays up to four measurement charts.

The following operations are available during a measurement:

- Select **DATA TYPES**  to choose which measurement data to view.
- Select **PAUSE**  to halt displaying new measurement data.
- Select **SAVE**  to save the recording.
Select or create a location for an enterprise, machine, point and axis to save the recording.



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Printed in USA. Uncontrolled when transmitted electronically.

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