

# FLEX

SIMPLE. FLEXIBLE. TRUSTED.



Flex LT Support



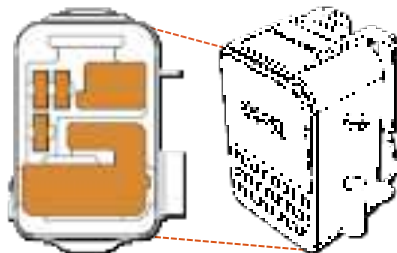
**Quick Start Guide**  
MN73-254 Rev A

Our promise to you is to provide comprehensive training, unrivaled customer support and world class expertise. That's why your Flex LT comes with our industry-leading two-year warranty, complimentary training, and technical support access. For more information, visit us at <https://www.gssi.com>.

Our team of dedicated technical trainers is ready to work with users of all experience levels. GSSI Academy classes are offered on a revolving annual schedule. Check out the GSSI Academy offerings at <https://www.gssi.com/academy>.



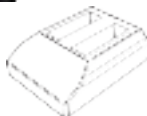
Flex LT Controller  
**FGFLEX LT**



BackpackTransit Case - Flex NX & Flex LT  
**FGBACKPACK-FLEX**



Lithium-Ion  
Battery (2X)  
**FGNX-BAT-3 CELL**



2-Bay Charger  
**FGMODBC-NX**



Extra RAM®  
Mount  
**RAM-238U**



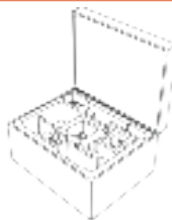
Wrist  
Lanyard  
**F-73-159**



Quick Start  
Guide  
**MN73-254**



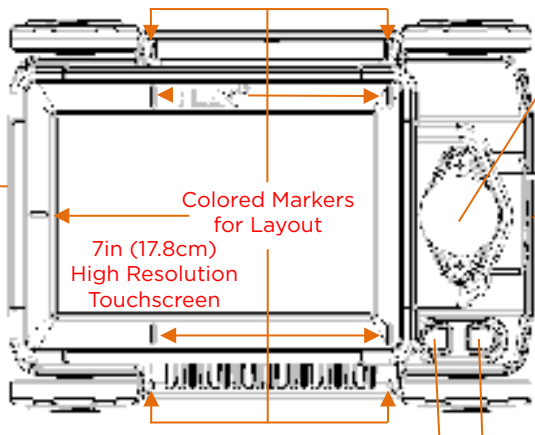
Telescoping Pole with RAM Grip  
0.5m-1.2m (1.7ft-4.0ft)  
**FGNX-POLE**



Flex NX  
Transit Case  
**FGTC-FLEX**

Removable High-Capacity  
Lithium-Ion Battery

Universal RAM® (Size C)  
Handle Mount



Colored Markers  
for Layout

7in (17.8cm)  
High Resolution  
Touchscreen

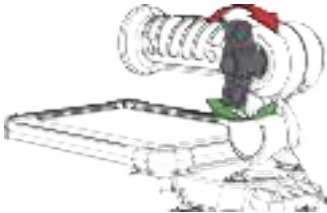
External  
USB Port

**Environmental  
Rating: IP65**

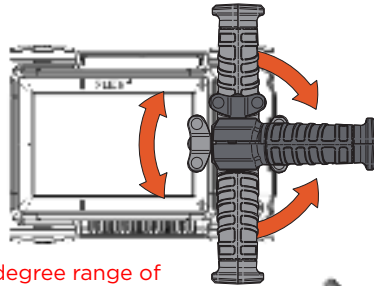
**Temperature Rating:**  
-20°C to +50°C  
(-4°F to +122°F)

User Programmable Buttons  
Power On/Off

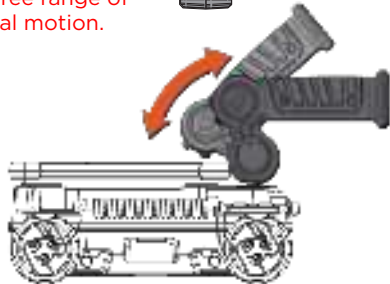
Your Flex LT features a fully adjustable and removable handle. To adjust, simply loosen the knob, reorient the handle, and tighten. To remove the handle, fully loosen the knob.



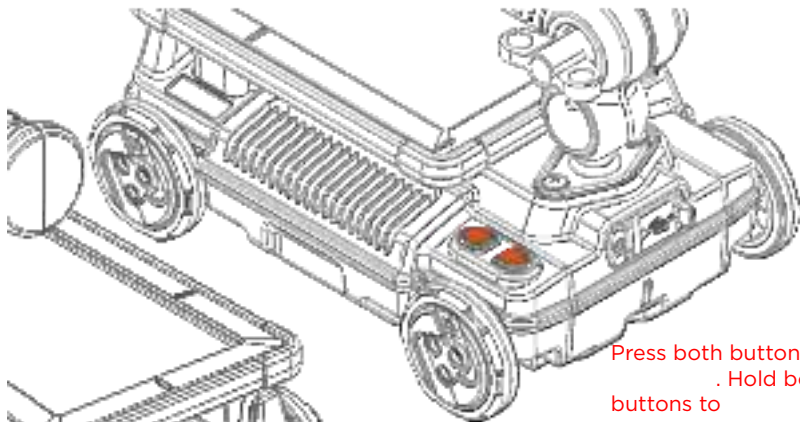
Remove the Flex LT handle to attach the Telescoping Pole Accessory (sold separately).



360 degree range of horizontal motion.



Vertical range of movement is limited to prevent display damage.



Press both buttons to  
. Hold both  
buttons to

**Note:** Battery contacts toward  
Flex LT and facing upward.

To insert the battery, slide  
battery door latch to left, and  
open the door. Insert the battery  
in the orientation shown.

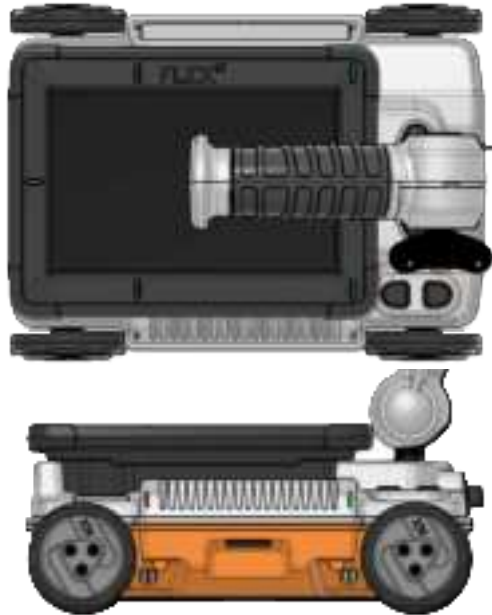
Close the battery door and  
ensure that the door latch is  
fully engaged by pushing it  
to the right.



Flex LT incorporates two individual GPR antennas:  
A **Standard Orientation** antenna (in front) and a **Cross Polarized** antenna (in back). The center of each antenna has colored markers for highly accurate markouts.

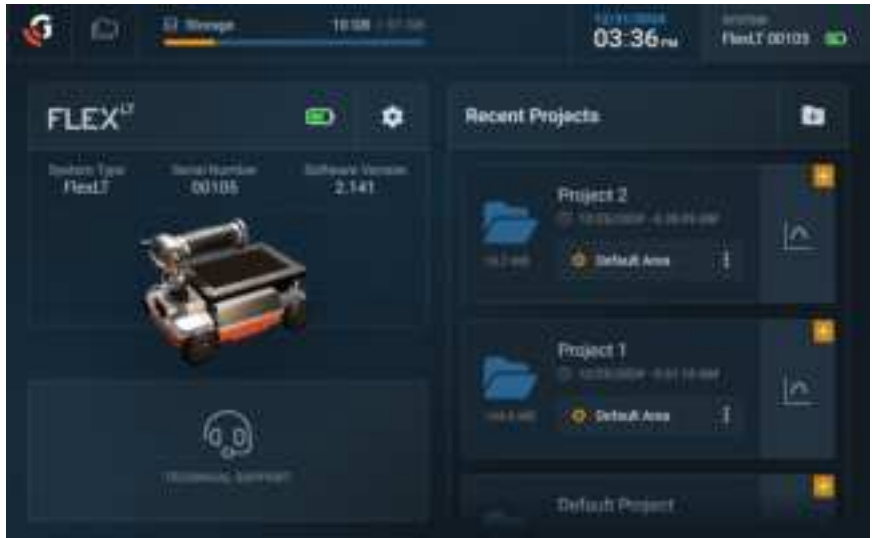
**Red markers**, located on the top, front, and sides, show the center points of the Standard Antenna. These markers are aligned to the **red** backup cursor during collection.

**Green markers**, located on the top, back, and sides, show the center points of the Cross Polarized Antenna. These markers are aligned to the **green** backup cursor during collection.

Scanning with **both antennas** produces a more detailed and informative view of concrete targets, especially for complex jobs.



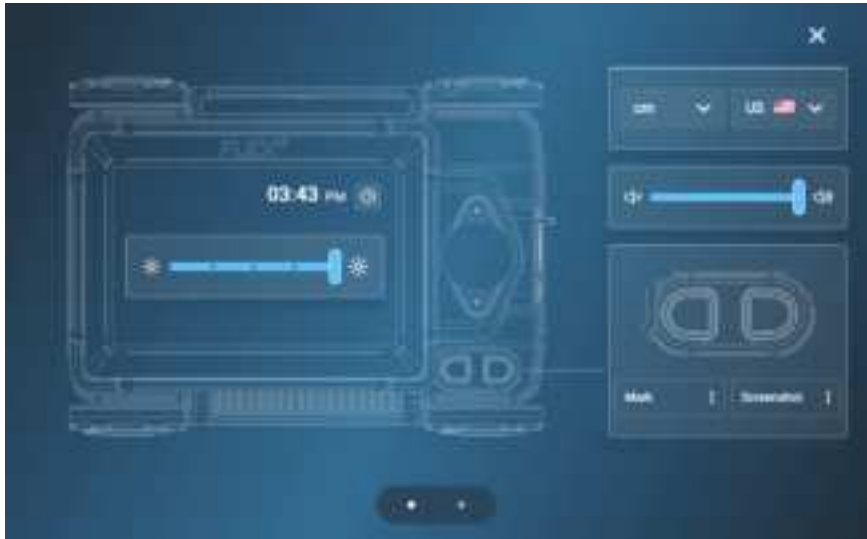
After powering on, Flex LT will start every new session at the Main Dashboard. Tap the  icon to access system settings. Tap the  icon to start a 2D scan.





The Settings Menu is the control panel for customizing your Flex LT experience. Use this menu to assign quick button options, adjust volume, screen brightness and time/date, and change units and language setting.

Tap the X to return to the Main Dashboard.




Select the appropriate Concrete Type based on the state of concrete cure. This menu only appears once during each session.

This setting will greatly impact depth readings. While collecting or viewing data, use the Depth Settings Menu to further refine the depth scale accuracy.



The Last Used option will reuse the dielectric value from previous sessions.

A blank data collection screen will appear. Tap the  icon to initiate a scan, and then move Flex LT forward to begin collecting data. Data will populate from left to right. Move Flex LT in reverse to view backup cursors that align with the red and green colored markers on the top, sides, and front and back of the system.



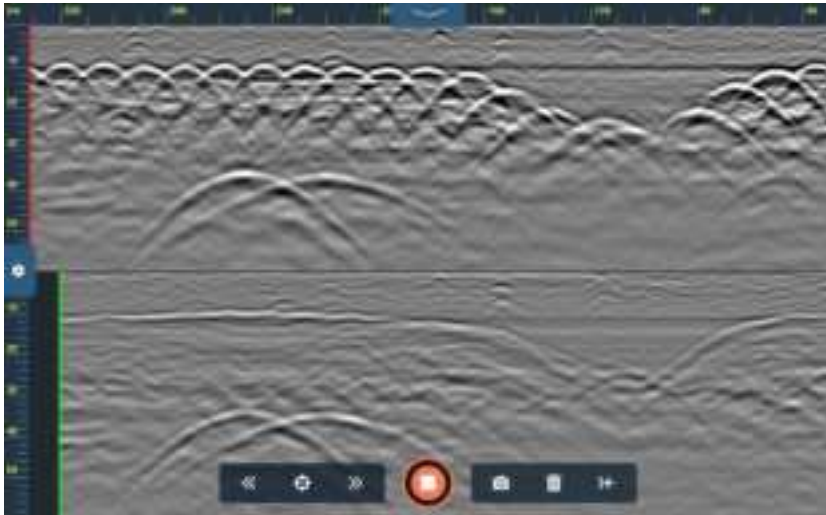
View the Top Navigation Bar



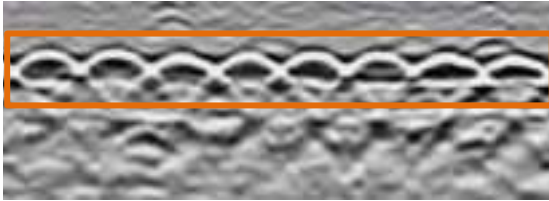
Access and adjust the Gain, Display and Depth settings.



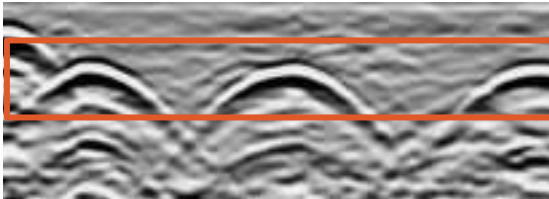
Stop data collection



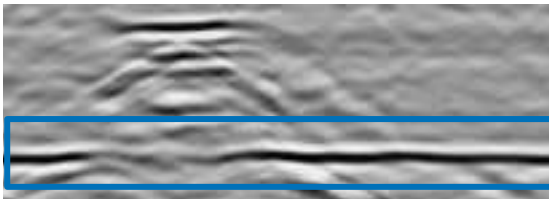
The GPR data will reveal two distinct categories of reflections: targets, and layers. Targets, such as rebar and conduit, are discrete objects below the surface and are represented by hyperbolas ( ). Layers are continuous features, like the slab/grade contact (blue box).





Closely-spaced targets, like wire mesh, produce abundant hyperbolas that overlap on the sides.

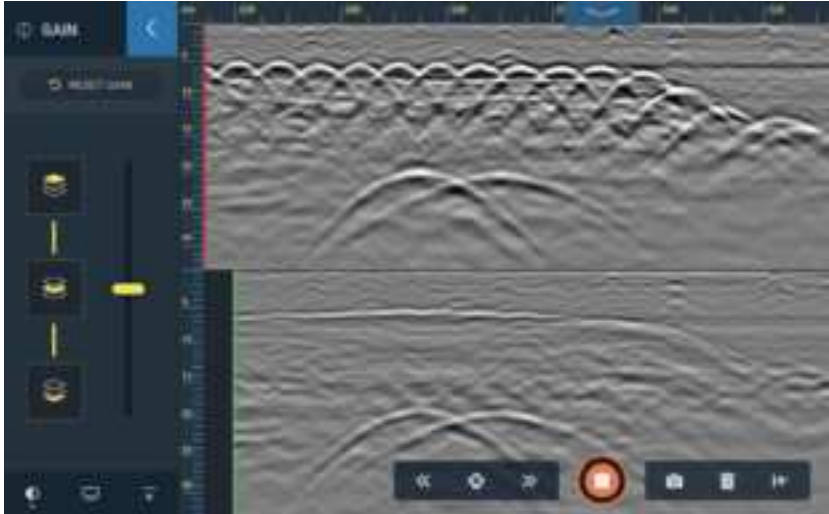


Rebar and other metallic targets produce bright hyperbolas. Rebar targets are often spaced wider than wire mesh targets.

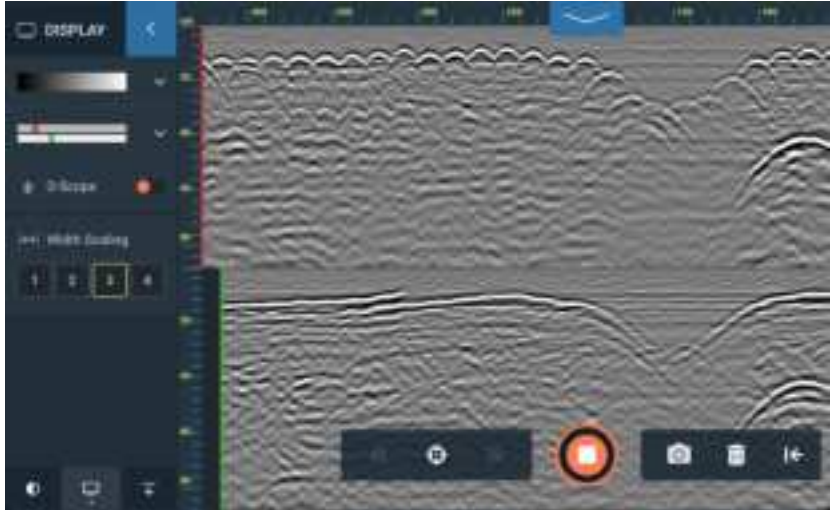


Layers do not produce hyperbolas. They appear as continuous features that often vary in brightness and depth.

Tap the  icon on the depth scale to open a window with three nested menus: **Gain**, **Display**, and **Depth**. For now, click the Gain icon  in the lower left. Here you can use the slider to adjust the overall contrast of the data, or select one of three general depth levels (shallow, medium, deep) to selectively adjust contrast.



Tap the  icon at the bottom of the panel to adjust Display settings. Here you can quickly change your data display from split screen with both antennas to full screen options for the standard (**front**) and cross polarized (**rear**) antennas. You can also adjust color tables, toggle the O-Scope, or adjust Width Scaling.



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Regulatory Information: <https://www.geophysical.com/regulatoryinformation>

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Flex LT Support