

AndiScan

Model A3

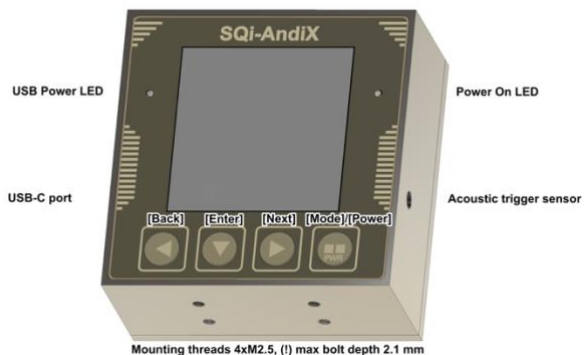
Quick Start Guide



SQi-AndiX

Quick Start Guide version A3.2.0 (30.3.2025)

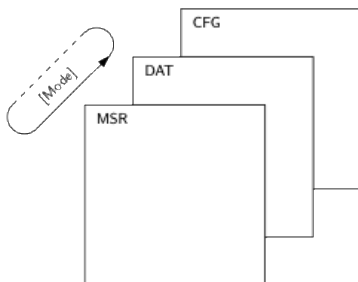
Device



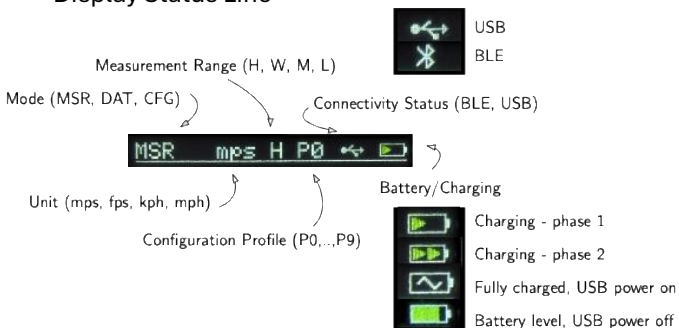
- Universal adapter (attached to the device)
 - Arca, 1/4" tripod thread, 20 mm custom rail
- Keys
 - [Back], [Enter], [Next], [Mode]
 - Long press (1 second)
[Back-Long], [Enter-Long], [Next-Long]
 - Power on
press and hold [Power] key for 2 seconds
 - Power off
press and hold [Power] key for 3 seconds
until Powering Off screen appears

Modes of Operation

- [MSR] Measurement Mode
- [DAT] Data Mode
- [CFG] Configuration Mode



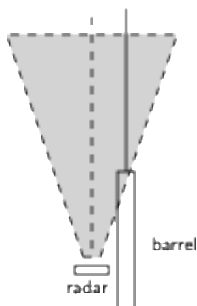
- Display Status Line



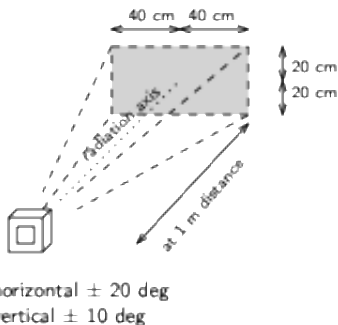
Measurement Setup

- Mount the device on tripod or on the gun (additional adapter might be needed)
- Position the device
 - Antenna radiation pattern must intercept the bullet trajectory when it leaves the barrel
 - **Optimal side position**
5 - 10 cm from barrel axis
 - **Optimal forward position**
30 - 70 cm back from the muzzle
 - Avoid blocking the signal by obstacles (bipod, plasma gasses from muzzle brake)

correct positioning

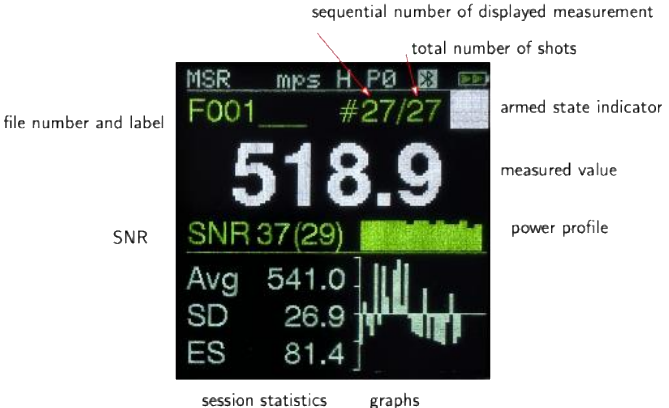


antenna radiation pattern



Measurement Mode (MSR)

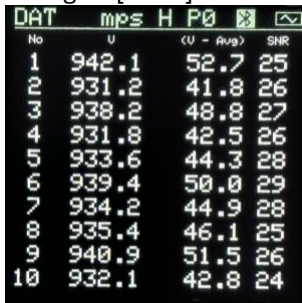
- Configuration Profile
 - Make sure that the configuration profile is suitable for your task - particularly, the **measurement velocity range** settings
- Measurement Screen



- Press [Enter] to **Arm** and **Disarm** the device
- **View data** for individual shots in the session
 - Press [Back]/[Next] to go backward/forward
- **Delete** currently shown shot
 - Press [Back-Long] to delete the shot
- **Save** the active session into the file
 - Press [Next-Long] to save the file
 - A new session will be automatically started

Data Mode (DAT)

- Moving backward/forward in the list of files
 - Press [Back] or [Next]
- View file contents
 - Press [Enter] to view file data contents
 - 1st page - session statistics
 - Press again [Enter] - individual



No	U	(U - Avg)	SNR
1	942.1	52.7	25
2	931.2	41.8	26
3	938.2	48.8	27
4	931.8	42.5	26
5	933.6	44.3	28
6	939.4	50.0	29
7	934.2	44.9	28
8	935.4	46.1	25
9	940.9	51.5	26
10	932.1	42.8	24

- Press again [Enter] - subsequent data pages
- File operations menu
 - Press [Enter-Long] in the file list screen
 - Reopen file
 - Erase file
 - Label file

Configuration Mode (CFG)

CFG0 Configuration Profile (P0 .. P7)

- Profiles are pre-initialized by factory-default settings for various measurement scenarios

CFG1 Triggering Mode/Gain

- SIG (Signal Detection), ACST (Acoustic Detection), EXT (External)

CFG2 Detection Threshold

- Minimum SNR for valid measurement

CFG3 Measurement Range

- H (High), W (Wide), M (Mid), L (Low)

CFG4 Measurement Unit

- mps, fps, kph, mph

CFG5 Carrier Frequency Channel

- auto, manual (24090, .., 24160 MHz)

CFG6 V0/Vx Side-Offset Compensation

- (see User Guide for details)

CFG7 Display Settings

- Graph - Plot, Histogram, None, List
- Scheme - Display color scheme
- Light - Display backlight intensity
- Rotate - Display rotation

CFG8 System Maintenance

- PSM erase - configuration, live session data
- SSD erase - data files and FW update files

CFG9 System Information

- DeviceID, SW US/TxR Version, HW Version, Date/Time

Remote Shell App

- Remote control, live measurement view, file management
- BLE (Bluetooth) and USB (Serial) connectivity
- Remote Shell App
 - <https://www.sqi-andix.com/RemShApp/A3RemSh.html>
- Remote Shell User Guide
 - <https://www.sqi-andix.com/a3-remshapp-guide/>

iOS/Android App

- Remote control, live measurement view, file management, FW upgrades
- User Guide and download links
 - <https://www.sqi-andix.com/a3-app/>

More Information

- Support page (User Guides, FW update, Tutorials)
 - <https://www.sqi-andix.com/support/>
- General information
 - www.SQi-AndiX.com
 - info@SQi-AndiX.com (for general info)
 - support@SQi-AndiX.com (for technical support)