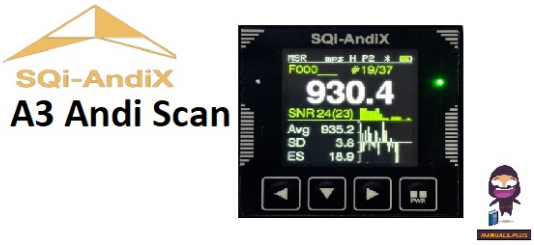


SQi-AndiX A3 Andi Scan User Guide

Contents

SQi-AndiX A3 Andi Scan

Specifications

- Product: AndiScan Model A3
- Quick Start Guide: SQi-AndiX Quick Start Guide version A3.1.0 (7.7.2024)
- Modes of Operation: CFG, DAT, MSR
- Connectivity: BLE, USB
- Measurement Range: High (H), Wide (W), Medium (M), Low (L)
- Unit: meters per second (m/s), feet per second (fps), kilometers per hour (kph), miles per hour (mph)
- Configuration Profile: P0 to P9

Measurement Setup
Ensure correct positioning of the device and understand the antenna radiation pattern.
Dimensions for antenna radiation pattern:

- 40 cm x 40 cm for axis radiation
- 20 cm x 20 cm at 1 meter distance for the radar barrel

Measurement Mode (MSR)
Features in this mode include:

- Sequential number of displayed measurements
- Total number of shots
- File number and label
- Armed state indicator measured value
- Signal-to-noise ratio (SNR)
- Power profile
- Session statistics graphs

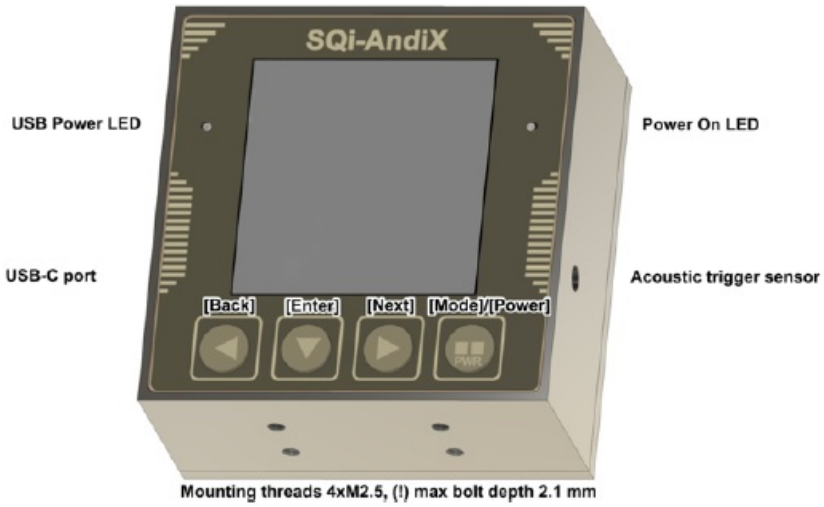
To save the file, press [Next-Long], and a new session will start automatically.

Data Mode (DAT)
Data mode functions are not specified in this extract.

Configuration Mode (CFG)
Configuration mode details are not provided in this section.

Remote Shell App
Access the remote shell app at: https://www.sqi-andix.com/RemShApp/A3RemSh.html

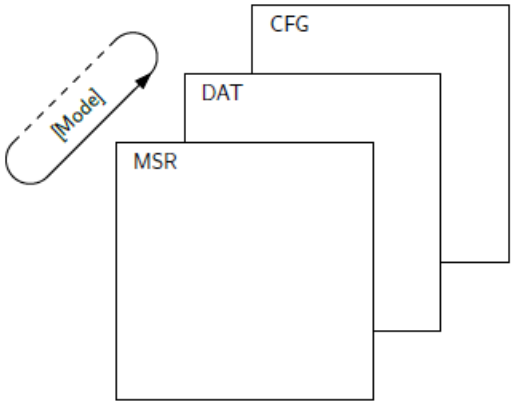
Device



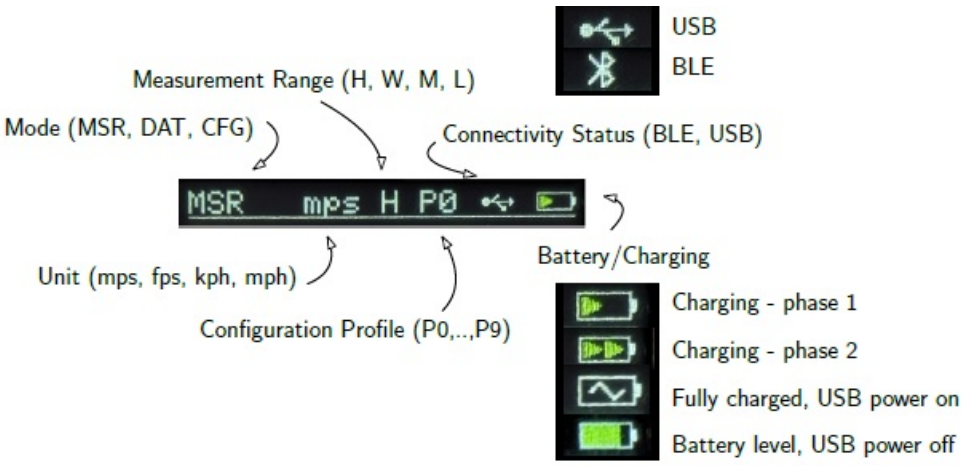
- Universal adapter (attached to the device)
  - Arca, 1/4″ tripod thread, 20 mm custom rail
- Keys
  - [Back), [Enter), [Next], [Mode]
  - Long press (1 second) | [Back-Long], [Enter-Long], [Next-Long]
  - Power on
  - Press and hold the [Power] key for 2 seconds
  - Power off
  - Press and hold the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

Modes of Operation

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

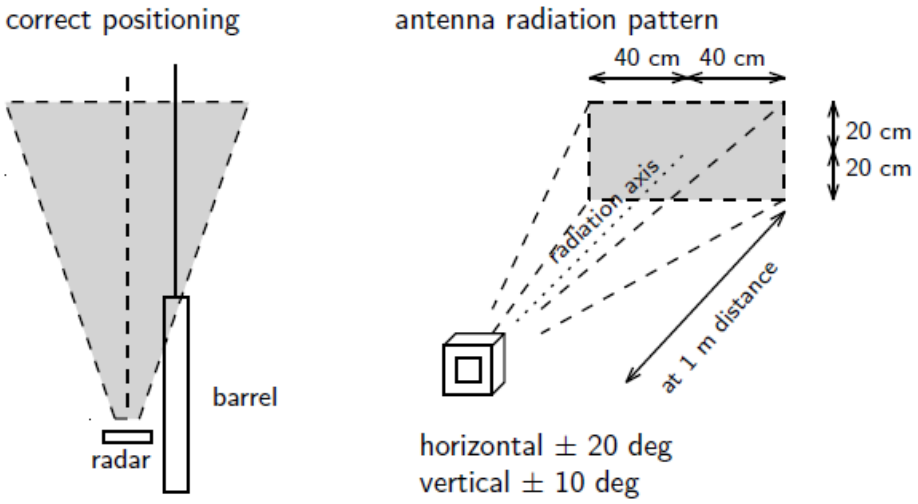


Display Status Line



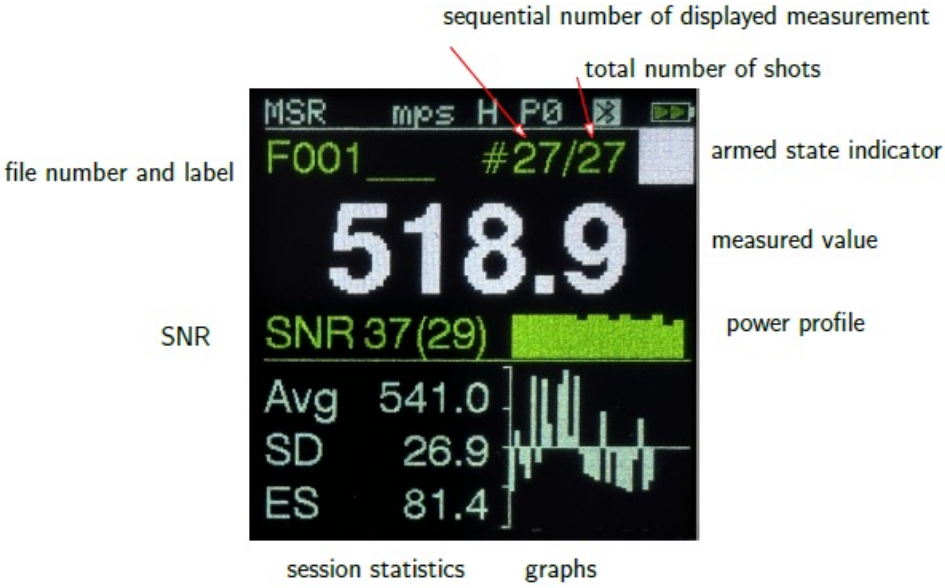
Measurement Setup

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



Measurement Mode (MSR)

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

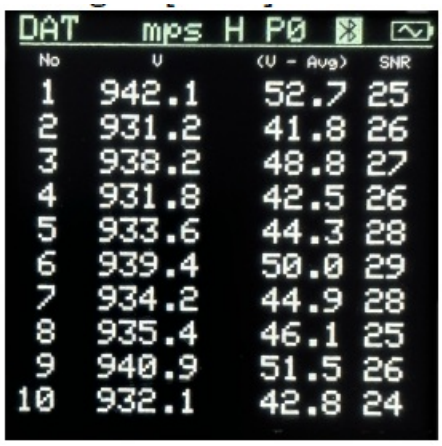


- Press [Enter] to Arm and Disarm the device
- View data for individual shots in the session
  - Press [Back]/[Next] to go backward/forward
- Delete the currently shown shot
  - Press [Back-Long] to delete the shot
- Save the active session in the file
  - Press [Next-Long] to save the file
  - A new 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 the file data contents
  - 1st page – session statistics
  - Press again [Enter] – individua



  - 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)

CFGO Configuration Profile (PO .. P9)

- 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 (24150, .., 24220 MHz)

CFG6 VO/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

- Device ID, 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/**

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)

FAQS

Q: What is the battery charging process?
A: The battery charging process consists of phase 1 and phase 2. When fully charged, the USB power should be on. Battery level can be checked withthe USB power off.

Q: How to switch between different modes of operation?
A: Use the mode selector to switch between MSR, DAT, and CFG modes.

Documents / Resources

	SQi-AndiX A3 Andi Scan [pdf] User Guide A3 Andi Scan, A3, Andi Scan, Scan

References

- Andix.com
- SQi-AndiX – SQi-AndiX
- SQi-AndiX – SQi-AndiX
- User Manual