FIELD-READY AISG CONTROLLER

RTS Portable Controller

Precise antenna control, right from the ground.

Set antenna Tilt and Steer target angles, check current positions, and perform on-site calibration with one portable touchscreen controller.



5-INCH TOUCH • EMBEDDED LINUX • AISG 2.0

01 AISG MASTER

Discover and control compatible RTS devices over RS-485.

02 TILT / STEER

Set target angles and read current positions.

03 FIELD CALIBRATION

Access Tilt and Steer calibration at the installation site.

04 QT TOUCH GUI

Scan, adjust and check system status with ease.

Easy setup. Clear control. Reliable access.

EMBEDDED SYSTEM PLATFORM

PROCESSOR	TI AM3358 | ARM Sitara Cortex-A8, 32-bit
OPERATING SYSTEM	Embedded Linux | Kernel 3.2
USER INTERFACE	Qt 5.9.6 touchscreen application

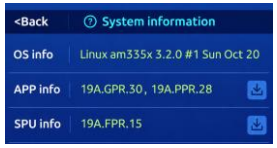
QT TOUCHSCREEN OPERATION



MAIN MENU



TILT / STEER & CALIBRATION



SYSTEM INFORMATION

ELECTRICAL & INTERFACE SPECIFICATIONS

External DC input	**28 VDC**
RTS DC supply	**18–24.88 VDC / 3.6 A max**
RTS control	**RS-485 / AISG 2.0**
Battery	**Li-ion / 22.2 V, 3.3 Ah (~73 Wh)**
Connectivity	**Ethernet RJ45 / USB Type-A**
RTS connector	**Top-side dedicated interface**
Display	**5-inch TFT LCD touchscreen**

MECHANICAL & ENVIRONMENTAL

Dimensions (W × H × D)	**90 × 167 × 58.5 mm**
Weight	**< 780 g**
Housing	**PC/ABS / Metallic silver**
Operating / charging	**−10 to +55°C / 0 to +45°C**

HOW IT WORKS

01 Select angle on RPC → 02 Send via AISG → 03 RTS adjusts position → 04 Antenna direction changes