

MT-STORMSCOPE Manual

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I Installing the System

I.1 System components

MT-Stormscope requires the following components:

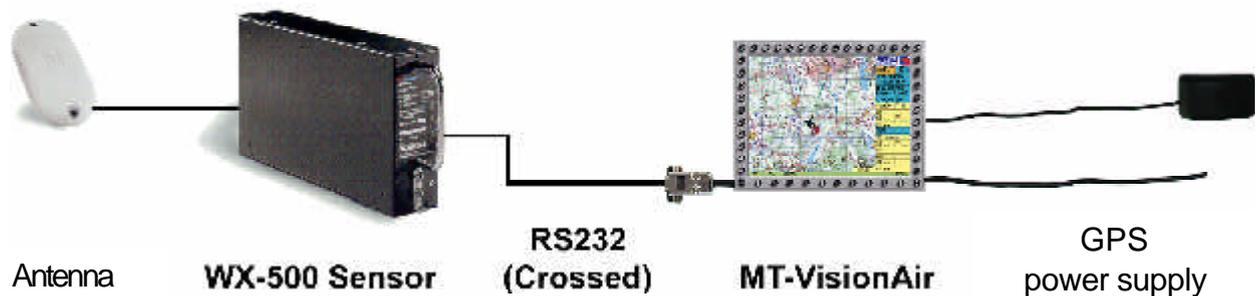
Hardware

- MT VisionAir with ComPort for data transmission
- GPS receiver (recommended: MT Integral GPS) with antenna
- WX-500 sensor with data transmission cable and antenna

Software

- MT-Stormscope presentation software

Block diagram



The system components must be correctly assembled:

For connecting power and GPS to MT-VisionAir, please refer to the main manual. For connecting the antenna, WX-500 and power supply to the WX-500, see the respective instruction manuals.

Use a crossed RS232 data cable for connecting the WX-500 sensor to the intended and thus marked COM port on the MT-VisionAir device.

II Mode of Operation of MT-Stormscope

II.1 Switching on the MT-Stormscope

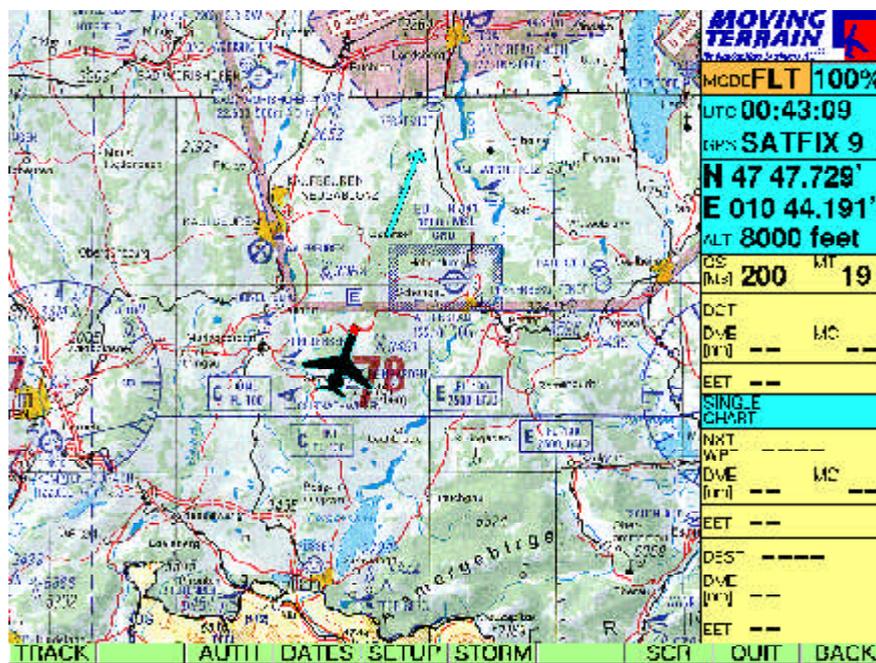
Switch the device on and confirm with

✓ **AGREE**

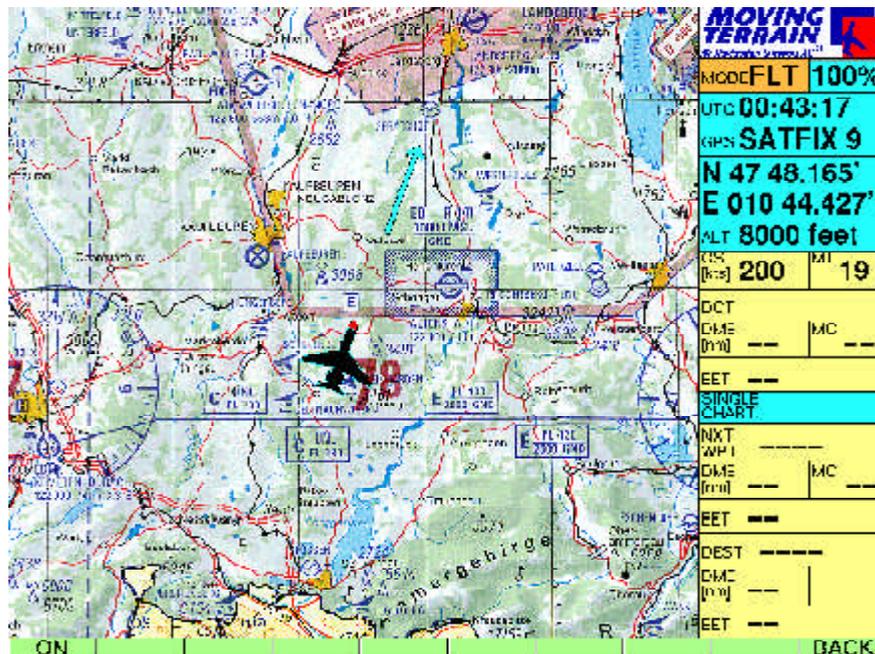
Select ✓ **AUX**

Activate MT-Stormscope with

✓ **STORM**



When the STORM key is pressed, the following button bar appears:

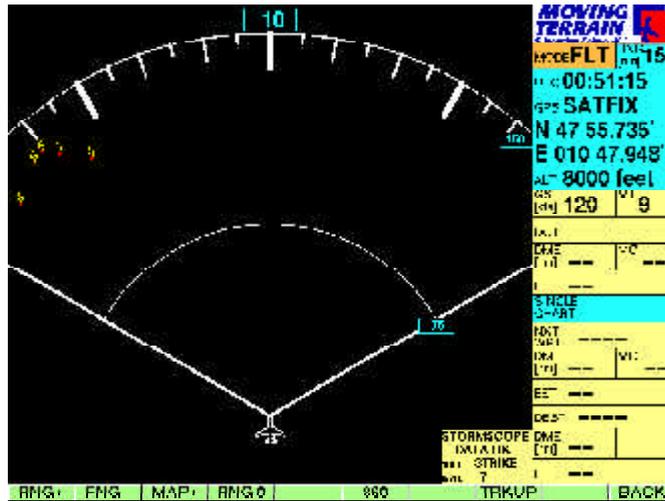


II.2.2 Dedicated mode

To change to Dedicated mode, press:

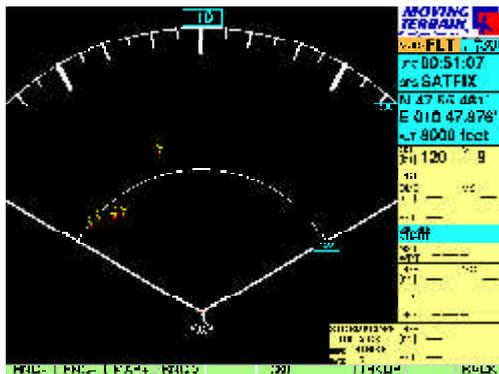
- ✓ VIEW
- ✓ MFD

Arc mode



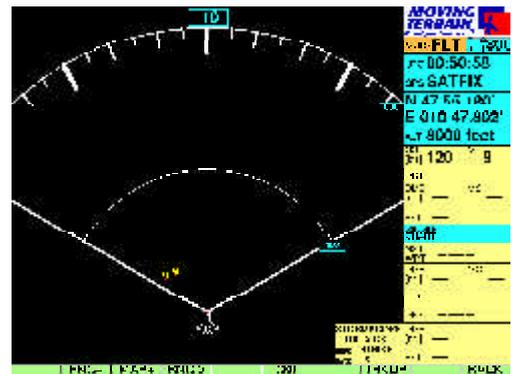
Display of MT-Stormscope data in Off-center mode. Advantage: improved forward view.

- ✓ **RNG+ / RNG-** Changes the range between 10 nm and 800 nm
- ✓ **360** Switches to 360° mode
- ✓ **MAP+** Quits Dedicated mode and returns to the chart
- ✓ **BACK** Returns to FLT / MAP Main menu



Range 300 nm

✓ **RNG+** (3 times)



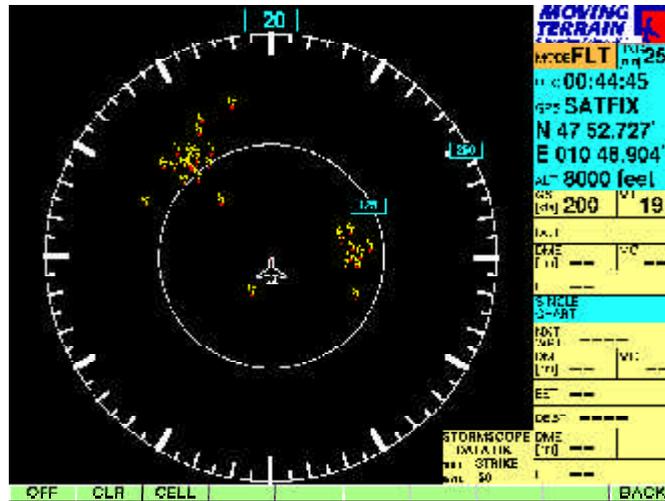
Range 800 nm

Toggleing between Cell and Strike mode is the same in Dedicated mode as in Non-dedicated mode (see example on page 6 - 360° mode)

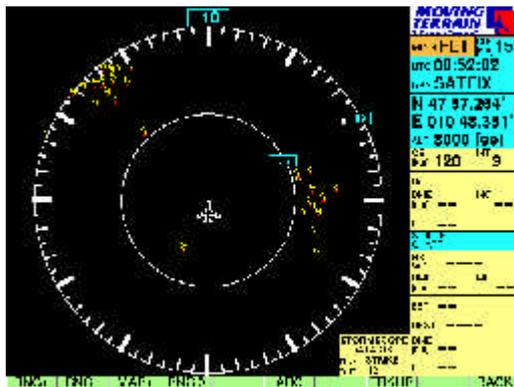
- ✓ **BACK**
- ✓ **AUX**
- ✓ **STORM**
- ✓ **CELL/STRIKE**

360° mode

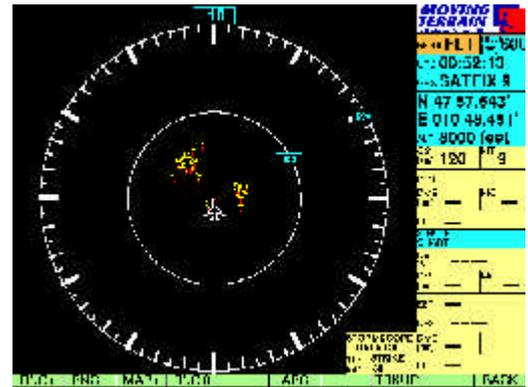
Display of MT-Stormscope data in Center mode. Advantage: Overview not only in direction of flight.



Data display in Strike mode. Every electrical discharge detected by the WX-500 is shown.



200 nm

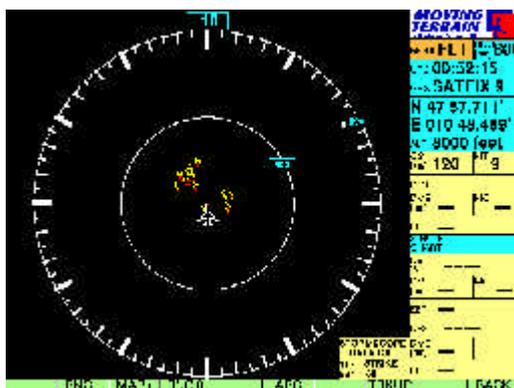


600 nm

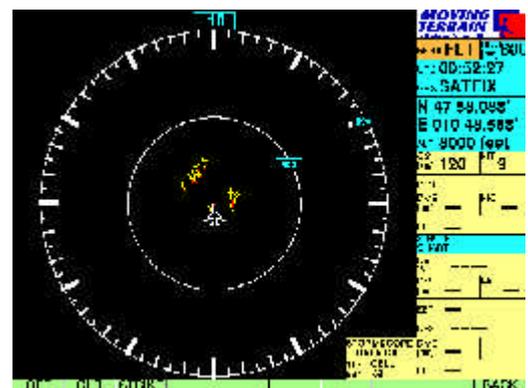
✓ RNG- ←
 ✓ RNG+ →

Switching to Cell mode on the View menu:

- ✓ BACK
- ✓ AUX
- ✓ STORM
- ✓ CELL / STRIKE



Display in Strike mode at a range of 800 nm



Display in Cell mode at a range of 800 nm

✓ STRIKE ←
 ✓ CELL →

II.3 Quitting Stormscope

- ✓ BACK
- ✓ AUX
- ✓ STORM
- ✓ OFF

