

# Satloc M3

AirTrac or AirStar Software

## Selected Features

### AirTrac Software

- View all of the AirStar software features in a new Windows-based display
- Automate variable or constant rate and wet/dry flow control
- Increase flexibility with additional patterns
- Use with existing M3 systems

### AirStar Software

- View color moving map display
- Automate constant rate and wet flow control
- Display acreage in real-time
- Navigate to stored marks and waypoints
- Return to last sprayed point
- Store multiple custom spray areas using the polygon function
- Store, analyze, and retrieve field data
- Control spray and swath advance with optional remote switches
- Cover all types of field shapes with available patterns



The Satloc M3 lightbar guidance system features a real-time graphic moving map display for state-of-the-art GPS guidance. Available with either AirTrac or AirStar guidance software, the M3 allows you to fly and spray precise patterns using constant or variable rate flow control, reducing fuel, flying time, and spraying costs.

Both AirStar and AirTrac software allow you to control your spray application rate, track acreage sprayed, analyze log data, and more. AirTrac, Satloc's newest guidance software for air, features all of the AirStar functionality plus variable rate flow control support, wet/dry flow control support, two additional patterns, and contour guidance.

The Satloc M3 includes the M3 computer, keypad, and \*graphic display, AirStar or AirTrac guidance software, lightbar, SX- or SLX-based receiver and antenna, \*\*MapStar planning and analysis software, and \*\*AerialACE flow control software.

\*AirTrac is available with an optional touchscreen. \*\* Optional with AirStar M3, included with AirTrac. \*\*\*Select receivers only.

## Specifications

### Power

Voltage Input Range: 10 - 32 V  
 Power Consumption: 45 W  
 Current Consumption: 3.6 A @ 12VDC

### Mechanical

#### Lightbar

Dimensions: 1.9 H x 13.4 W x 6.5 D in.  
 (4.8 H x 34.0 W x 16.5 D cm)  
 Weight: 4.2 lbs (1.91 kg)  
 Weight (Mounting Kit): Up to 1.8 lbs (0.82 kg)

#### CPU

Dimensions: 4.2 H x 6.5 W x 9.4 D in.  
 (10.7 H x 16.5 W x 23.9 D cm)  
 Weight (Including Mounting Kit): 8.6 lbs (3.90 kg)

#### Display Screen - 6.4 Inch or 8.4 Inch (w/Optional Touchscreen)

6.4 in. Dimensions: 5.5 H x 8.0 W x 3.3 D in.  
 (14.0 H x 20.3 W x 8.4 D cm)  
 Weight: 3.0 lbs (1.36 kg)

8.4 in. Dimensions: 7.6 H x 9.5 W x 2.0 D in.  
 (19.3 H x 24.1 W x 5.1 D cm)  
 Weight: 4.8 lbs (2.18 kg)

#### Keypad

Dimensions: 4.5 H x 6.5 W x 1.5 D in.  
 (11.4 H x 16.5 W x 3.8 D cm)  
 Weight: 1.6 lbs (0.73 kg)

#### Receiver (SLXg3)

Dimensions: 2.0 H x 4.9 W x 7.5 D in.  
 (5.1 H x 12.4 W x 19.0 D cm)  
 Weight: 1.6 lbs (0.73 kg)

#### Antenna

Dimensions: 3.6 H x 5.4 Dia in.  
 (9.1 H x 13.7 Dia cm)  
 Weight: 1.2 lbs (0.54 kg)

#### Complete Cable Set

Weight: 7.0 lbs (3.18 kg)

#### Computer (CPU)

Processor Type: Pentium Class MMX, 233 MHz  
 Memory: 64 MB SDRAM standard  
 Operating System: DOS/Windows 98  
 Storage (Internal): 6.1 Gigabyte  
 Storage (Removable): Single PCMCIA slot

#### Satloc SX- or SLX-Based Receiver

Update Rate: 1 - 20 Hz  
 Data Output: NMEA, Satloc Binary  
 GPS Channels: 12 parallel LI C/A code with carrier phase smoothing and multipath mitigation

Differential Source: SBAS (WAAS, EGNOS, MSAS, GAGAN), e-Dif, \*\*\*OmniSTAR, \*\*\*Beacon

Horizontal Accuracy: < 1.6 ft (< 0.5 m)

#### MapStar Software

Files Supported: DXF, MID/MIF, SHP, SWA, VRC, LOG, BMF, ASCII  
 System Requirements: Pentium 100 MHz+ CPU, 54 MB+ hard disk space, 64 MB+ RAM