# Quick Start Guide



# TinySurveyor Plotter

Version 1.0
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# 1 Set up GNSS

## Using Your Own GNSS

**A** | **Configure your receiver settings**

Requirements to GNSS receiver setup:

- Output data continuously via RS232 (COM port).
- NMEA GGA output min 10 Hz (0.1s).
- Baudrate 115200, 8 bits (1 byte), 1 stop bit, no parity bit.
- RTS/CTS is off (hardware flow control).
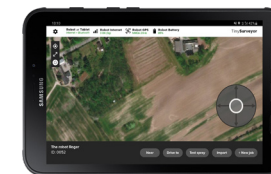
**B** | **Mount your GNSS receiver**

Attach the GNSS receiver using the extension rod and attach the communication cable.

## Using a Pre-Installed GNSS

**A** | **Configure NTRIP**

1. Go to **Settings** (upper left corner) > **Communications** > **NTRIP.**

2. Enter your NTRIP information and press **Save**.

**B** | **Mount antenna**

Attach the antenna using the extension rod and attach antena cable.

# 2 Turn on robot and tablet

**A** | Turn on your tablet.

**B** | Insert the robot battery.

**C** | When the battery is correctly placed, lock it and turn on the robot using the key.

Battery unlocked   Battery locked   Power ON

**(i)** Check GNSS settings in the App:

**Settings** > **Position**. **GNSS status: OK** means that the receiver is set up correctly.

# 3 Attach nozzle

**⚠** For safety reasons, point the spray can downwards when attaching the nozzle.

**A** | Attach the nozzle as shown.

**B** | Shake the spray can before use.

# 4 Insert spray can

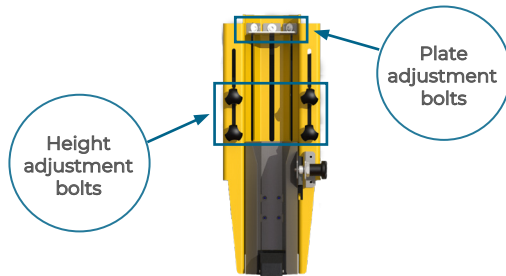**A** | Open the spray can holder by pulling the black handle.

**B** | Insert the spray can with the nozzle facing downwards.

# 5 Adjust spray tool

**A** Adjust the spray tool height by loosening the 4 height adjustment bolts.

**B** Adjust the position of the plate according to the size of your spray can by loosening the 3 plate adjustment bolts.
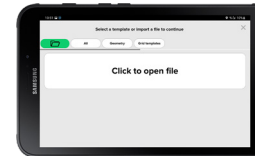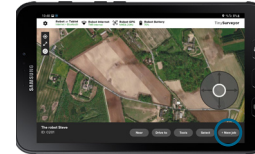
Plate adjustment bolts

Height adjustment bolts

# 6 Load or create job

## Import Existing Job

**A** Save the job files (.dxf or .csv) on a USB drive or directly on the tablet storage in the TinyMobileRobots Folder.

**B** Press **+New job** and **Click to open file.**

**C** Browse to the file destination and select the job file.
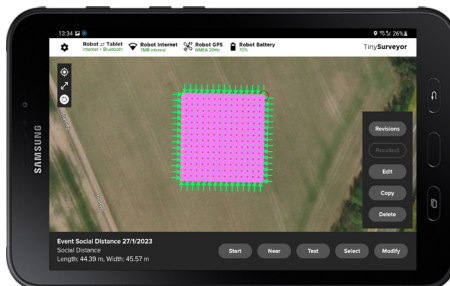
## Create New Job

**A** Press **+New Job.**

**B** Select the template you wish to use and follow the on-screen instructions.

# 7 Modify job

**A** With a job selected, press **Modify**. You can now delete, offset, copy or do general editing of your job.

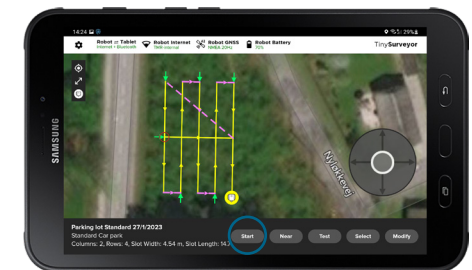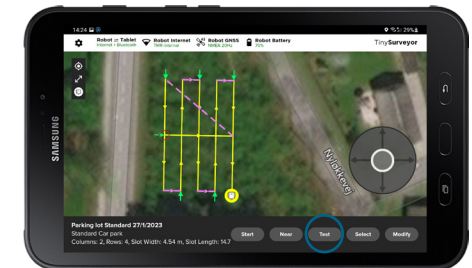**i** Offset is only available for .dxf files.

# 8 Test and start job

**A** Select a job.

**B** Press **Test** to have the robot drive the job WITHOUT marking.
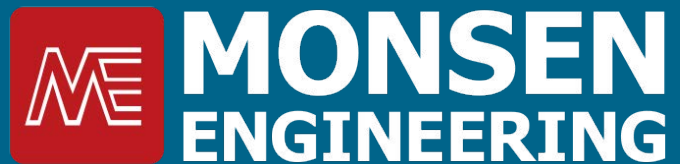
**C** If the test was succesful, press **Start**.

# You are all set!

For more information, please refer to the Help Section in the TinySurveyor app **or reach out to Monsen Engineering 800.821.0672**



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