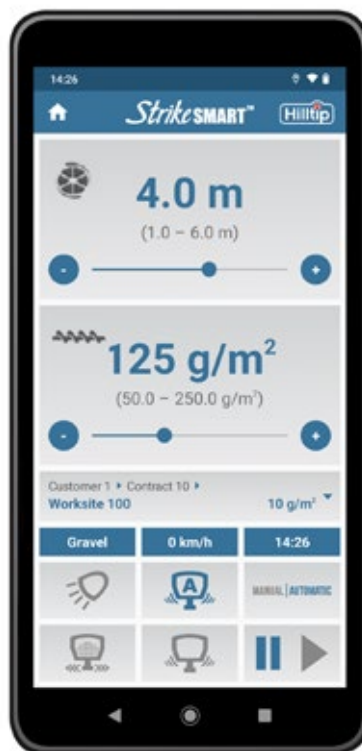




STRIKESMART™



USER GUIDE

STRIKESMART™ CONTROLLER APP
FOR ICESTRIKER™ TAILGATE 120-300 SPREADER

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INTRODUCTION

This app is designed for your new Hilltip IceStriker™ 120, 200 or 300 Spreader. You will get a highly personalized spreading experience by carefully adjusting all the settings. The calibration function will help you reach the most accurate spreading results with your standard materials.

You will get the most out of your spreader by reading and understanding this User Guide.

CONNECTING THE SPREADER

When the application is opened, it will automatically start scanning for devices. If not activated, the app will ask for permission to turn on the Bluetooth. Click “Allow” to activate. Found spreaders are listed in a device selection box. To connect, select a spreader in the list and click “Connect”.

Note: If you are using your controller app for the first time, or connecting it with another spreader, some extra steps have to be taken. Before using a spreader, it has to be paired with the controller app.

Pairing the spreader with the controller app

1. Disconnect power to the spreader
2. Press the emergency stop button and reconnect power to the spreader
3. Open the spreader controller app (StrikeSmart™) and wait for a device selection box
4. Select a device (image 1) and click “Connect” (image 2). A configuration box will appear.
5. If “Add access” is not available, your device has already been paired.
6. Release emergency stop.
7. Click “Exit and reconnect” to start using the spreader (image 5). (If spreader is not found after pressing “Exit and reconnect”, power off spreader for 5 sec (pull out the power plug))



OPERATING THE CONTROLLER APP

Main menu

Spreading mode

In the spreading mode view you can control your spreader.

HTrack™

This view lets you enable the optional HTrack™ service.

Info

This view shows you information about currently connected spreader, list of previously connected devices, error codes and information about the application. You can rename your spreaders, or if the HTrack™ is enabled, download the names from the server, to make it easier to identify them. The error code list shows errors related to last connected device, if any detected.

Settings

This menu lets you adjust the settings according to your own spreader, so that you can get an optimized spreading session. Read more in the following sections.



Main menu

Settings menu

Material

Activate the material selection by clicking the selection box. Click the desired material (Salt, Sand, Gravel, Custom1, Custom2) to set the spreading material (See image 1 on next page).

Blast

“Blast (% increase)” increases the auger speed/intensity (30 to 100 % of current amount). “Blast Time (s)” sets the blast time in seconds. You can adjust these values by clicking the plus and minus buttons or dragging the round selector in the seek bar (See image 2 on next page).

Vibrator

“Auto vibration on (s)” - Insert how long the vibrator should run. “Auto vibration pause (s)” - Insert how long the vibrator should be paused. “Auto vibration while calibrating” setting can be enabled to automatically use the vibrator while calibrating the spreader (See image 3 on next page).

Calibration

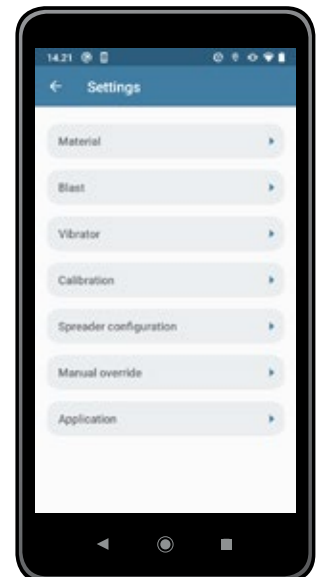
Select the unit you want to calibrate. Choose a material by clicking a row in the calibration table and click “Calibrate”. If the HTrack™ is enabled, depending on your settings, you may have to enter a PIN code before starting the calibration. Follow the instructions in the app to calibrate (See image 4 on next page).

Spreader configuration

In spreader configuration view you can select the accessories your spreader is equipped with (See image 5 on next page).

Manual override

If your spreader is equipped with the override start button, you can use the spreader when not connected to an Android device. In the “Manual override settings” view you can choose at what speed the auger and the spinner will run when the spreader is manually overridden. You can also set a start delay as well as select whether work light is used or not (See image 6 on next page).



Main menu → Settings

Application

In application settings view (image 7), you can choose the application language, enable or disable automatic work light and select how the app handles the spreading when maximum capacity is exceeded in automatic spreading mode. Option “Keep spreading quantity” steps down the width to keep the selected spreading quantity, while option “Keep spreading width” reduces the material quantity to keep the selected spreading width.

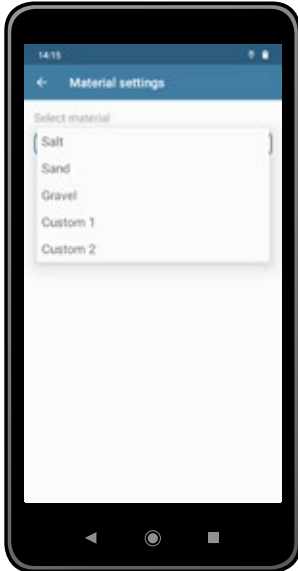


Image 1. Settings → **Material**

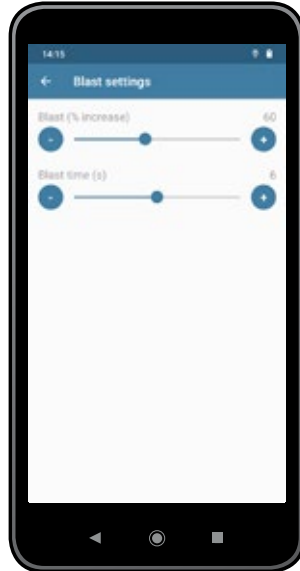


Image 2. Settings → **Blast**

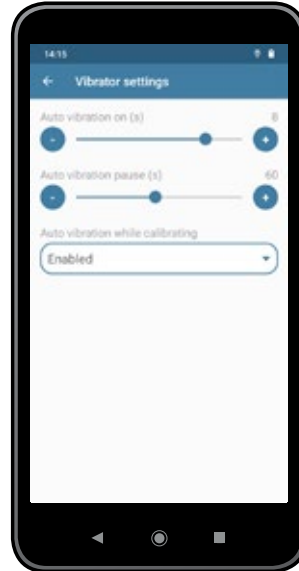


Image 3. Settings → **Vibrator**

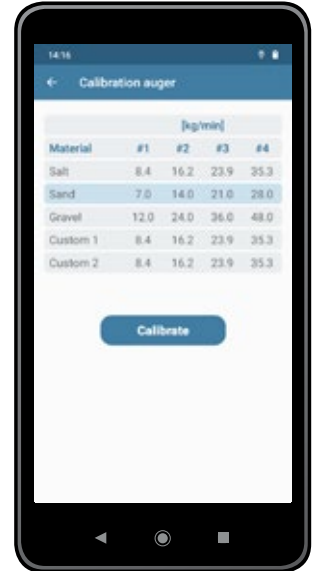


Image 4. Settings → **Calibration**

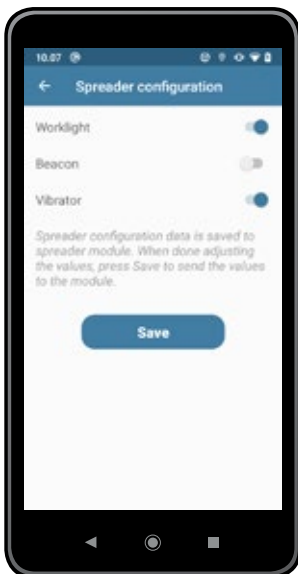


Image 5. Settings → **Spreader configuration**

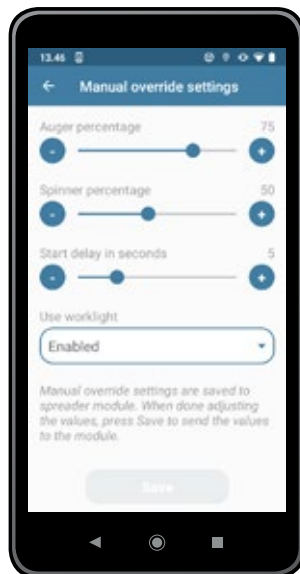


Image 6. Settings → **Manual override**

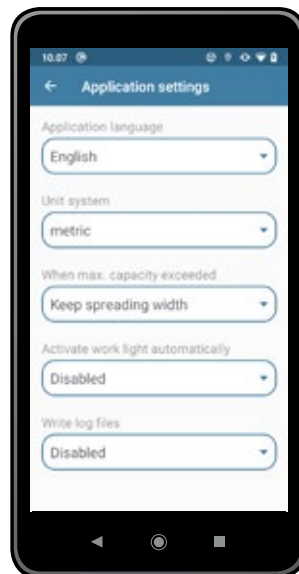


Image 7. Settings → **Application**

Spreading mode

Before starting your basic spreading session, select automatic or manual spreading mode by clicking the selection button. Automatic mode will adjust the amount of spreading material (g/m²) according to your vehicle speed.

(1) Adjusting spreading width and amount of spreading material

The grey area in the top of the spreading mode view is for adjusting the spreading width. Below this area there is another similar area for adjusting the spreading quantity. You can increase or decrease the values by clicking the plus and minus buttons or dragging the round selector in the seek bar.

(2) Contract selection area

If the HTrack™ is enabled a customer and contract selection area is shown underneath the width and quantity adjustments.

(3) Information area


The area below the width and quantity adjustments shows selected spreading material, velocity and current time.

(4) Buttons


Activate/inactivate a function by pushing the button. A grey symbol means that the function is inactive. An activated function is represented by a colored symbol.




Buttons:




This button will activate the optional LED-work light.




This function automatically makes the unit vibrate according to a certain time interval. Go to: Main menu → Settings → Vibrator, to set the time interval.



Press this button to change between manual and automatic spreading mode.



Press this button to temporarily increase the spreading amount to max, or "blast". Adjust blast-settings under: Settings → Blast.



Activate the vibrator while pushing and holding this button



Press this button to stop or start spreading.

SOFTWARE UPDATE

Update to latest app version

From app version 0.5.1 (released February 2019)

Steps to update to the latest version:

1. If an important update is available, the app will show "New app version available" (Image 1). Click "Download".
2. You may need to allow the installation (Image 2 & Image 3). Click "Install" on the application installer window (Image 4).

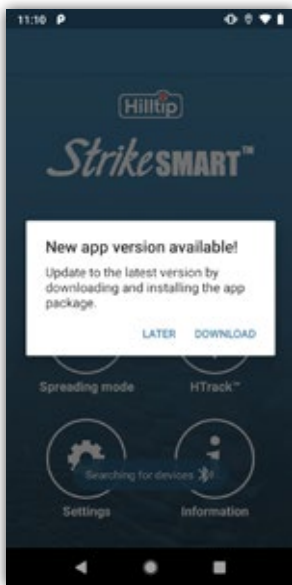


image 1

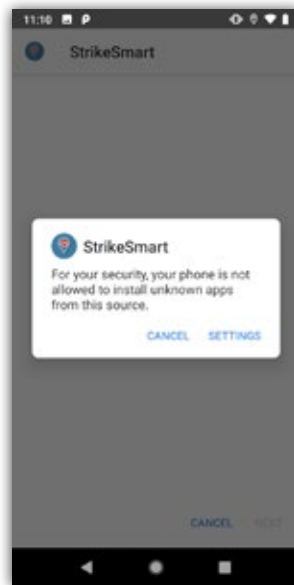


image 2

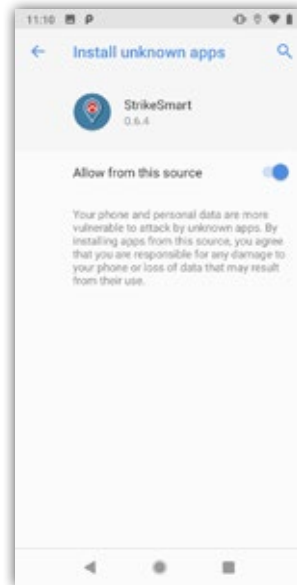


image 3

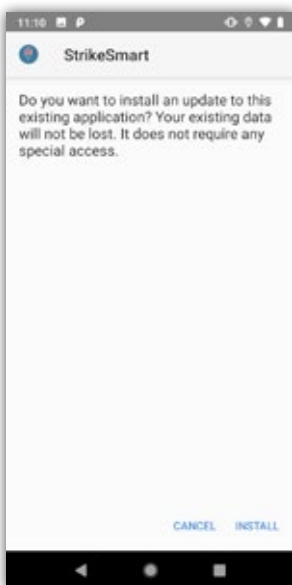


image 4

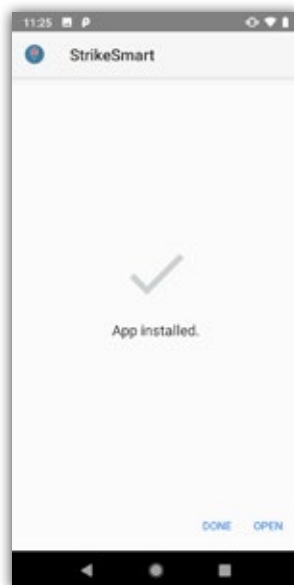


image 5

App version 0.5.0 or earlier

Steps to update to the latest version:

- 1.* Allow the internet browser to install apps. Open the Settings app in your smartphone and go to Apps & notifications > App info > Chrome > Install unknown apps. (Image 1)
2. Make sure the device is connected to the internet and open the app
3. If an update is available, the app will show “New app version available” (Image 2). Click “Download”.
- 4.* The device will warn you about the risks (Image 3). The StrikeSmart™ app is trusted, so it's ok to download it. You may have to click “Accept” or “Continue” to download the update.
- 5.* The internet browser may warn you about the file, click “OK” to continue (Image 5)
6. When the download is completed click “Open” and then click “Install” (Image 6)

**These steps may vary between phones*

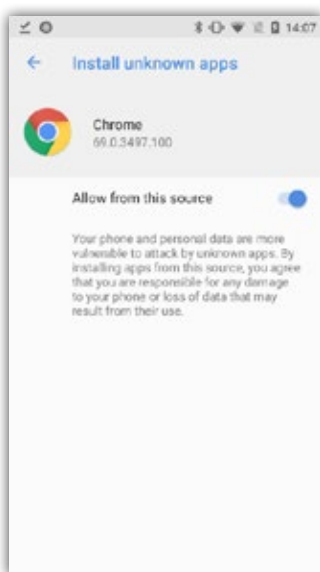


image 1

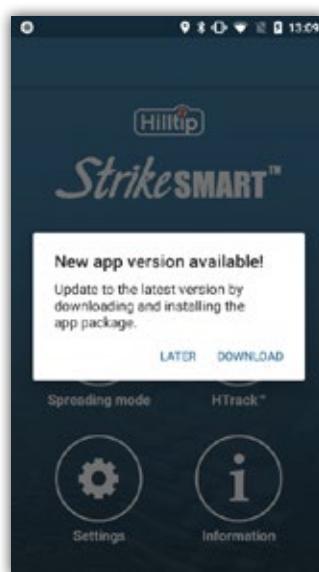


image 2

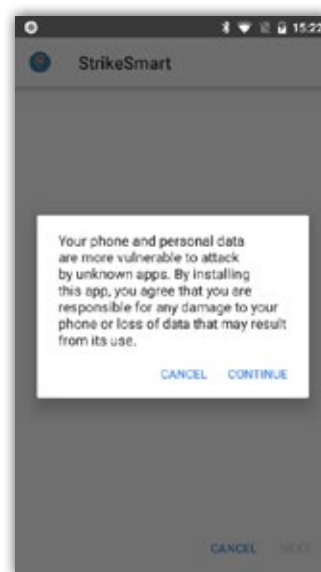


image 3

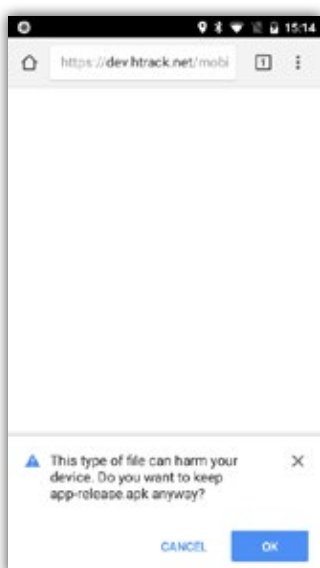


image 5

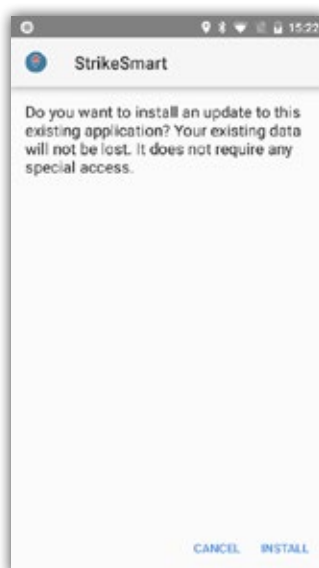


image 6

Updating spreader control module firmware

Make sure you that your phone is connected to the internet.

1. Disconnect power to the spreader
2. Press the emergency stop button and reconnect power to the spreader
3. Open the spreader controller app (StrikeSmart™) and wait for a device selection box.
4. Select a device (image 1) and click “Connect” (image 2). A configuration box will appear.
5. Click “Check for firmware updates”(image 3) and “Start installing” (image 4) and wait until the update is complete (image 5).
6. Release emergency stop button.
7. Press “Back” when firmware is updated (image 6) then press ”Exit and reconnect” (image 7).





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