

**FARMDRUID**



**FARMDRUID**

**FD20**

**ADD ONS**



## Base Station

The FarmDroid Base Station is necessary for the FarmDroid FD20 to achieve its unique precision.

### Key Features

**8mm Precision:** Offers an exceptional 8mm level of precision for your FD20's operations.

**RTK-GPS Signal:** Provides a high-precision RTK-GPS signal critical for the FD20's precise operations.

**Operational Range:** Guarantees high precision within a 10-kilometer radius from the Base Station.

**Multi-Robot Connectivity:** Capable of connecting with several robots simultaneously, allowing farmers with multiple FD20 units to rely on a single Base Station if they operate within the 10-kilometer range.

**Complete Kit:** Comes equipped with an antenna and mounting bracket for easy installation and immediate use.

## Essential Care Package

Maintain seamless operations during the critical season with the Essential Care Package. Designed for the FarmDroid FD20, this package equips you with crucial spare parts and an additional seeding unit to guarantee that your operations never skip a beat.

### Highlights of the Essential Care Package

**Essential Spare and Wear Parts:** A carefully selected assortment of spare and wear parts, keeping your FD20 in top condition.

**Ready for the Unexpected:** Having the right parts readily available means quick replacements and minimal downtime.

**Hassle-Free Repairs:** In the event of a malfunction, simply swap the seeding unit and send us the one in need of repair. We'll handle the rest and return it to you ready for action.

With the Essential Care Package, you can approach the farming season with confidence.



## Transport Solutions for FarmDroid FD20

Efficiently moving your FarmDroid FD20 is crucial for maximizing its usage across different fields and locations. We offer two tailored transport solutions to meet your needs, ensuring that you can relocate your FD20 safely and conveniently, whether for short distances within your farm or longer hauls to distant fields.

Choose the transport option that best fits your farming operation's scale and frequency of movement.

## Transport Platform

**Secure and Reliable:** Designed for longer distances, the Transport Platform offers a sturdy base for your FD20.

**Safety Features:** Comes with straps for secure placement of the FD20 and lights for visibility and safe transport at night.

**Compact Transport Width:** The FD20 has a reduced transport width of 250 centimeters when on the Transport Platform, making it easier to navigate narrower roads or paths.

## Field Bracket

**Simple & Effective:** A straightforward transport solution that connects the FD20 to your tractor's three-point hitch.

**Ideal for Short Distances:** Perfect for quick and easy moves across your farm or when setting up field parameters.

**Transport Width:** When mounted on the Field Bracket, the FD20 has a transport width of 370 centimeters.





## **Weight Add-Ons for FarmDroid FD20**

The FarmDroid FD20 was engineered to be a lightweight, agile machine, allowing for gentle treatment of the soil and easy maneuverability. Recognizing that different terrains present different challenges, we offer specialized Weight Kits to equip the FD20 with additional weight, ensuring optimal performance even in the most demanding conditions.

### **Weight Kit for Enhanced Traction**

**Customizable Options:** Choose from sets that add either 70 kg or 140 kg to the back wheels for improved grip and stability.

**Ideal for Hilly Terrain:** Extra weight counters inclines and rough terrain, providing the FD20 with the traction needed to work effectively.

**Expert Consultation:** Your local FarmDroid dealer can recommend the ideal weight configuration for your farm's landscape and soil conditions.

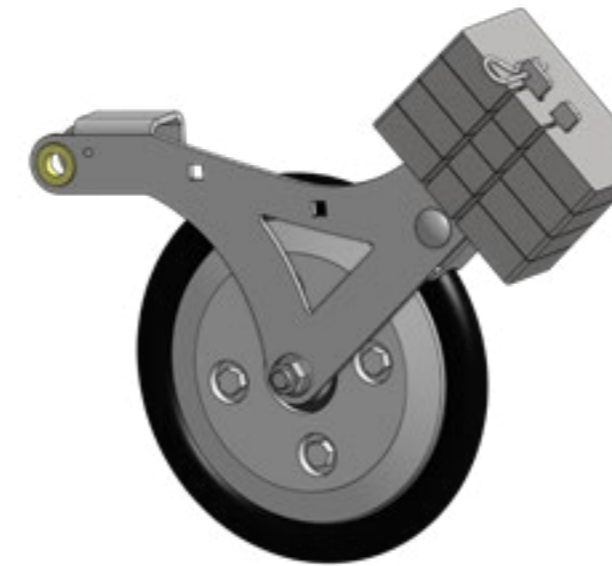


### **Weight Kit for Trailers (5x2kg)**

**Soil Compaction Control:** Designed for the Active Trailer, these additional weights help achieve the right soil compaction for optimal seeding.

**Adaptable to Different Soil Types:** Tailor the weight based on soil type and seeding needs to create the perfect conditions for your crops to thrive.

**Easy Addition:** The Weight Kit is designed to easily slide onto a bracket on the Active Trailer.



### **Weight Kit for Seed Pressure Wheel (4x500g)**

**Enhanced Seed Contact:** Improve the seed's connection with the soil for better germination and growth conditions.

**Individual Customization:** Obtainable for each Active Trailer, enabling precise adjustments for your specific seeding requirements.



### **Weights for Every Soil Type**

With these Weight Kits, you can fine-tune your FarmDroid FD20 to meet the exact needs of your farm, enhancing the robot's versatility and ensuring that its lightweight design does not limit the capability to handle a variety of agricultural environments.



## Power Bank

The FarmDroid FD20 runs on solar energy, optimized for 24/7 operation under the sun's generous rays. Yet, on days when the sun hides behind the clouds, the Power Bank steps in to keep your FD20 on the move. Our Power Bank add-on is the energy backup solution, crafted to support the FD20's constant productivity, no matter the weather.

Designed to complement the FD20's solar efficiency, the Power Bank offers you the flexibility your farming operations need. With the option to recharge at home, you can ensure that your FD20 is always prepared for a full day's work. This add on guarantees that your FD20's performance remains uninterrupted, providing the energy it needs to keep running smoothly around the clock.

### Key Features:

**Extended Energy Supply:** With two additional batteries, the Power Bank doubles the FD20's battery capacity.

**Consistent Operation:** Offers up to 12 hours of operation, ensuring your FD20 achieves a full day's work, even on cloudy days.

**Lithium-ion Technology:** Utilizes high-capacity, efficient lithium-ion batteries for reliable and long-lasting energy storage.

**Convenient Design:** Includes an external charger and a custom battery shelf for easy installation on your FD20.

**6 kWh Capacity:** The additional batteries provide a significant boost to your FD20, doubling the battery capacity.

**Dual Settings for Energy Flow:** An intelligent design allows you to decide when and how the batteries should be charged, giving you control over the energy flow based on your daily requirements.



## Weed Cutting Discs

Optimizing early-stage weed control is crucial for the success of crop germination and growth. The FarmDroid FD20, equipped with Weed Cutting Discs, provides a refined solution for managing weeds from the very beginning, even before your crops break through the soil.

The adjustable Weed Cutting Discs breaks the soil delicately on each side of the row, ensuring that emerging crops are not buried under soil clumps. The design of the weed cutting discs allows for weeding closer to the row, safeguarding your young plants during critical early growth stages.

### Advanced Design and Material

**Durable Roller Discs:** Made of painted hardened steel, the D155mm curved discs are built to withstand the rigors of field work.

**Robust Bearings:** Crafted from stainless steel, these bearings promise longevity and consistent performance.

### Technical Specifications

**Roller Disc Diameter:** D155mm curved

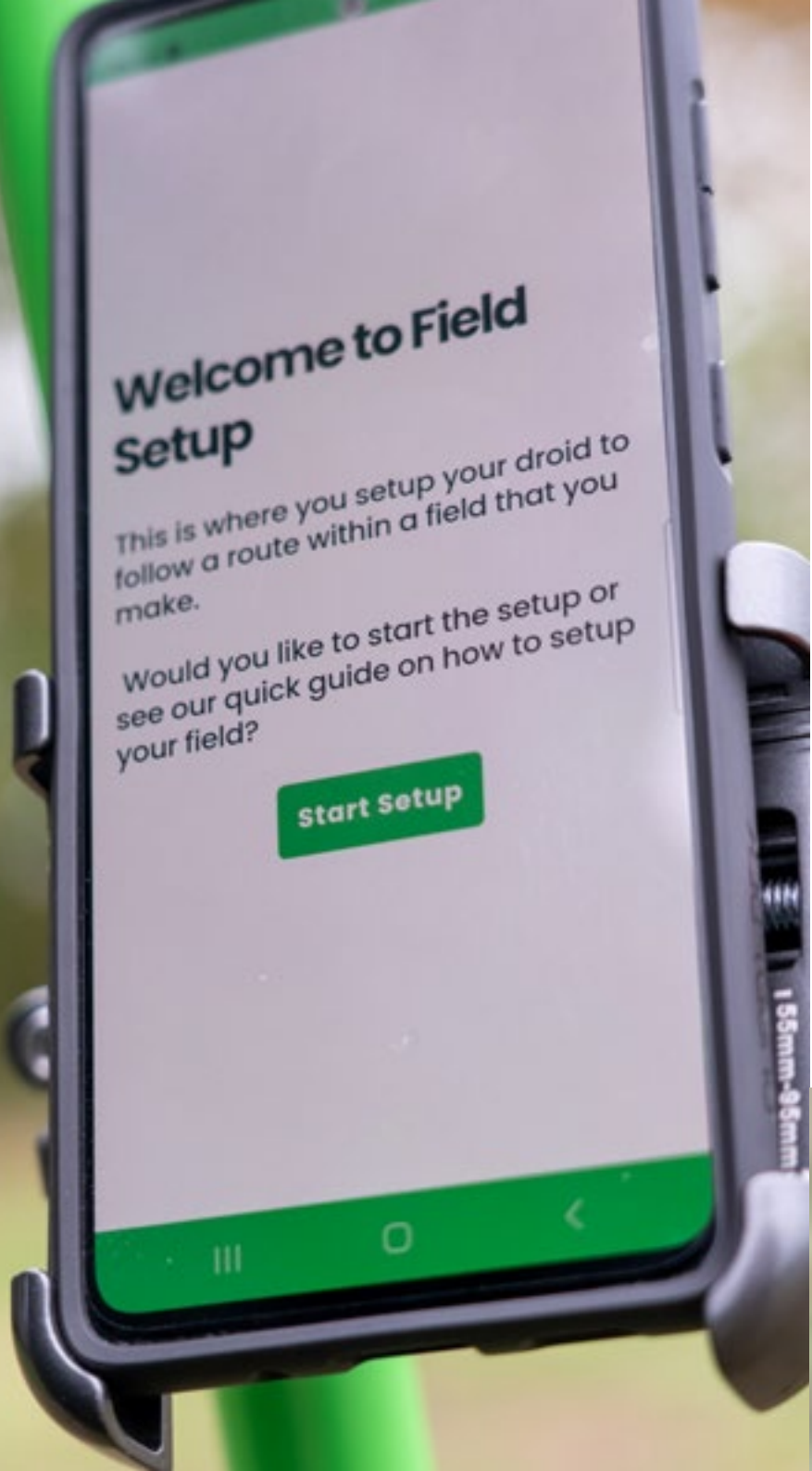
**Material:** Painted hardened steel for durability

**Bearings:** Corrosion resistant stainless steel

**Adjustments:** Gap (0 to 50 mm) and angle (-10° to +10°) for tailored weeding

**Working Depth:** Adjustable from 0 to 30mm for various stages of crop growth





## ***Field Setup Tool***

Maximize your FarmDroid FD20's efficiency from the start with our user-friendly Field Setup Tool. Designed for straightforward field mapping, this tool ensures that your robot's operation is customized perfectly to the unique contours and obstacles of your field(s).

### ***Effortless Field Mapping***

**Bluetooth Connectivity:** Pairs seamlessly with your smartphone, enabling you to set up the field directly from the FarmDroid App with ease.

**Intuitive Setup Process:** Once connected to the Field Setup Tool, the FarmDroid App becomes the command center, allowing you to manage and monitor the setup process with only a few taps.

**Battery Powered for Portability:** Operates on battery power, making it easy to carry around as you mark the boundaries of your field.

**Simple Interface:** The FarmDroid App guides you through mapping out the corner points of the field, placing virtual markers for obstacles, all sent directly to your FD20.

### ***Durable and Dependable***

**Robust Design:** Crafted to be rugged and weatherproof, it can handle the challenges of farm life.

**Mobile Convenience:** Lightweight and ergonomically designed, it's your constant companion in the field, never slowing you down as you work.

Preparing your FD20 for the precision work it's renowned for becomes a simple, streamlined process. Its reliability and ease of use ensure that you are always ready to create the ideal conditions for automated farming excellence.

