



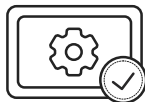
FJD N20

Fixed High Power GNSS Station

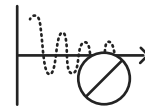
LOCATE WITH PRECISION, ANYWHERE, ANYTIME



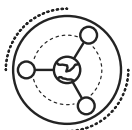
Multi-satellite
Multi-frequency



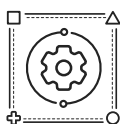
Easy
Configuration



Strong
Anti-interference



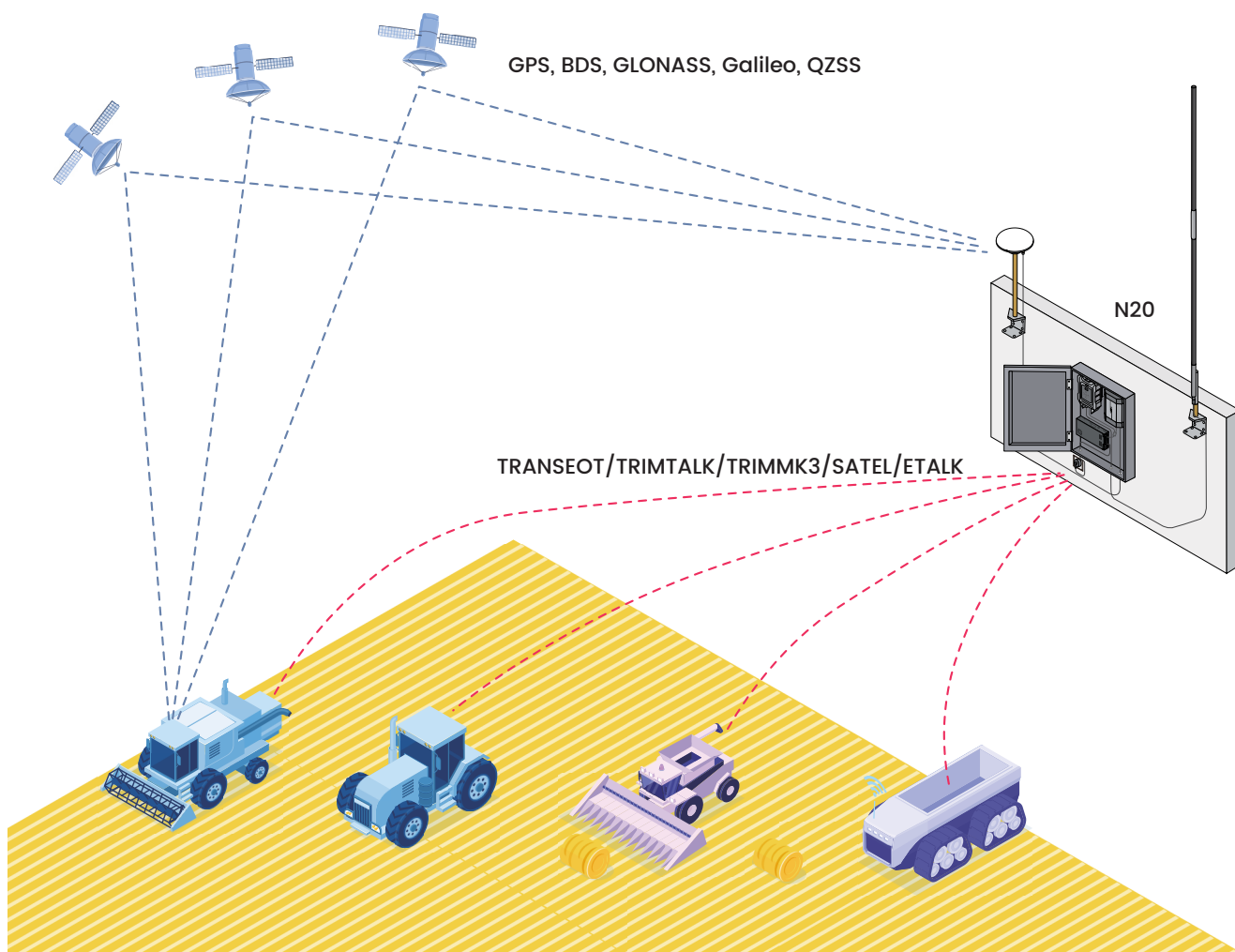
Wide Signal
Coverage



Extensive
Compatibility



Uninterrupted
Operation





Multi-satellite & Multi-frequency with CM-level Accuracy

The RTK module boasts comprehensive support for various GNSS constellations including BDS, GPS, GLONASS, Galileo, and QZSS, covering a wide frequency range. It excels in challenging environments, delivering exceptional accuracy and reliable performance.



User-friendly Operation Experience

Three independent modules can be swiftly installed and connected, offering seamless integration. By supporting wireless hotspot connections, N20 allows for quick and convenient configuration and parameter management.



Strong Anti-interference

With its built-in frequency interference detection feature, N20 can accurately identify interference frequencies, thereby improving signal quality.

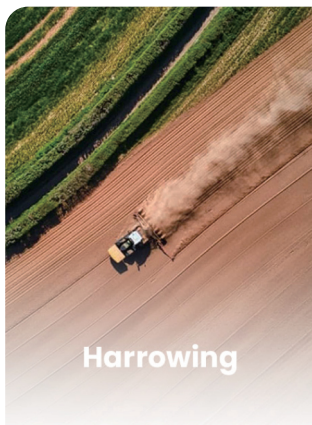


Wide Signal Coverage

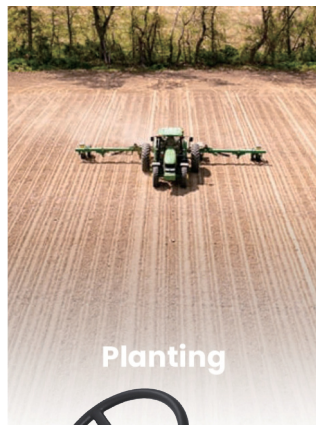
Equipped with a high-power radio, it can achieve a coverage radius of up to 30km in ideal operating conditions. It also allows for easy switching between high, medium, and low power modes, effortlessly meeting various operation requirements.

APPLICATION SCENARIOS

It supports multiple radio protocols and baud rates, providing a stable signal source for FJD products, such as the FJD ATI Autosteering Kit and the FJD AT2 Auto Steer System, keeping you covered throughout the farming seasons.



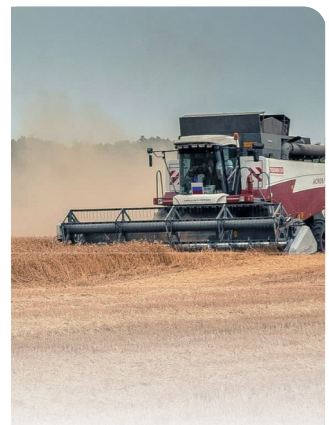
Harrowing



Planting



Spraying



SPECIFICATIONS

Positioning

Channels	1408
Frequencies	BDS B1I, B3I, B1C, B2a, B2b GPS L1C/A, L2C/L2P, L5 GLO G1, G2 GAL E1, E5a, E5b QZSS L1C/A, L2C, L5, L1S, L1C/B
Single point (RMS)	Horizontal: 1.5 m Vertical: 2.5 m
RTK (RMS)	Horizontal: 0.8 cm+1 ppm Vertical: 1.5 cm+1 ppm
Static differential (RMS)	Horizontal: 2.5 mm+1 ppm Vertical: 5.0 mm+1 ppm
Update rate	Up to 5 Hz
Protocols	NMEA-0183, RTCM 2.x/3.x
Transmit method	Radio, network* (specific firmware needed)

Physical and environmental

Power consumption	≤95 W (receivers 10 W, high power radios 85 W)
Dimensions of receiver	L×W×H: 220.7×152.1×81.7 mm
Weight of receiver	1.35 kg
Dimensions of high power radio	L×W×H: 175×130×86.5 mm
Weight of high power radio	2.0 kg
IP rating	IP67 (receiver, radio and GNSS antenna)
Operating temperature	-40°C to 65°C
Storage temperature	-40°C to 80°C

I/O

USB port (USB)	Connector type: Type-C Usage: for updating firmware
Aviation connector (RJ45)	Ethernet port
RS232 connector (COM1)	DB9 connector
RS232 connector (COM2)	7-pin LEMO
GNSS antenna (GNSS)	TNC connector

Ethernet

Ethernet transceiver	Transmission speed: 10/100 Mbps Initial IP address: 192.168.1.6
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High power radio

Usage	For broadcasting RTCM messages
Frequency range	410–470 MHz, 32 channels (customizable)
Protocols	TRANSEOT, TRIMTALK, TRIMMK3, SATEL, ETALK
Transmit power	High, medium, low

Wi-Fi

Wi-Fi hotspot	For configuring the receiver and the radio Name: FJN20SN, initial password: 123456789 Initial IP address: 192.168.200.1
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Power supply

Input voltage	DC 9 V–16 V
Protection against reverse connection	Supported
Powering method	External DC power supply via LEMO connector

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FJDynamics.com



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