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**APOGEE**  
GNSS PVT. LTD.



# COMPANY PROFILE

Four years ago APOGEE GNSS PVT.LTD. [ AGPL ] took up the challenge of developing India's first survey grade GNSS receiver. In 2022 AGPL became a pioneer in manufacturing India's first GNSS rover aptly named the 'Navik Series' .AGPL is a joint venture company between Apogee Precision Lasers and Paragon Instrumentation Engineers [ PIE ]. Together we bring to the table more than sixty years of experience in the geospatial and electronic industries. Our team of more than seventy five persons includes highly skilled software , firmware ,hardware professionals. AGPL is headquartered at Noida with manufacturing setups at Noida, Hapur, Roorkee and Gujarat. AGPL is committed to developing latest technology products serving industries like surveying, construction, GIS, railways and agriculture. For details please visit our website [www.apogeegnss.com](http://www.apogeegnss.com)



**APOGEE GNSS PVT. LTD.**  
**(AGPL)**

# RADIO

AR-X1 is a high-quality, 865-867 MHz Indian Licence Free Band UHF external datalink designed for GNSS RTK survey system. Its fully metal construction provides high performance and rugged dependability for the toughest environment.

## Specifications

Frequency.....	866MHz
Power Supply.....	12 DC
Transmit Power.....	1 W
Battery.....	7.4V, Li-ion 4800 mAh
Dimension.....	Φ120×85mm
Weight.....	850 gm
Water and dustproof.....	IP67
Charging Time .....	6-8 h @ 25-30
Wired.....	RS – 232, USB



## Specifications

Number of channels.....	184
Dimensions.....	56.4*45.3*14.6 mm
Weight.....	58 gm
Internal Storage.....	16 GB
Data Update Rate.....	1 to 10 Hz
Storage.....	USB Mass storage In built sd card RS-232, USB

# UAV

UAV RTK and PPK solutions give highly precise correction data in mapping and surveying, agriculture, etc. By dint of the advanced GNSS technologies, the UAV has become the most wanted vehicle in today's industries.

# CORS

CORS is a reference base station used to collect GNSS satellite data continuously and transmit it via the internet to a central server. Combined with advanced and traditional GNSS technology CORS provides an entire solution for data processing, management, etc.

## Specifications

No. of channels tracking .....	574
Recommended Antenna .....	GN 100
Size (LxWxH).....	204 mm x 156.3 mm x 87 mm
Weight.....	1.586 kg
Maximum data Logging Rate.....	20 Hz
Power Consumption.....	15 W
External Power Input.....	12V DC (max. upto 18V)
Integrated Internal Battery.....	7.4V/ 6800 mAh Li-ion



## Specifications

Battery.....	6000mAh (replaceable battery)
IP Rating .....	IP65
Size .....	195*98*22mm (LxWxH)
Weight .....	460 gm
Display.....	5.5 inch
RAM.....	6 GB
Internal Storage.....	128 GB
External Storage.....	Max 128 GB

# GIS HANDHELD

GH-55 delivers higher productivity and accuracy in positioning to its users. It also comes with a suite of integrated features, which are high integration, high performance, high reliability, and high- flexibility.

# NAVIK 200

NAVIK 200 provides an easy to use solution for GIS and survey professionals who need to collect accurate data. It is capable of delivering centimetre level accuracy in real time to any mobile device via wireless connection.

## Specifications

No. of channels tracking.....	700 +
IP Rating .....	IP67
Size .....	φ156x106
Weight .....	950gm
Max. update Rate .....	20 Hz
Protocols.....	RTCM 3.X, Rinex 3.x, NMEA v3.0, CMR
Wireless .....	Wi-Fi, BLE, Radio, 4G, NTRIP
Wired .....	RS – 232, USB



## Specifications

No. of channels tracking.....	336
IP Rating .....	IP67
Size.....	φ156x106
Weight .....	950gm
Max. update Rate.....	20 Hz
Protocols.....	RTCM 3.X, Rinex 3.x, NMEA v3.0, CMR
Wireless.....	Wi-Fi, BLE, Radio, 4G, NTRIP
Wired.....	RS – 232, USB

# NAVIK 300

- Supports multiple satellite constellations and correction sources for accurate data at any location.
- Trimble Everest Plus™ multipath mitigation.
- This delivers the quickest and most reliable RTK and RTX initializations for centimeter positioning.

# NAVIK 50

NAVIK 50 receiver is one of the extensive ranges of AGPL's ultra-compact GNSS modules. It is easy to use with its rugged form and compact size along with a very easy app interface. It is powered by a high-capacity (6800 mAh) Li-ion External battery.

## Specifications

No. of channels tracking.....	184
IP Rating.....	IP67
Size.....	143.95*65.00
Weight.....	600gm
Power Source.....	12 V External Battery Source
Max. update Rate.....	7 Hz
Protocols.....	RTCM 3.X, NMEA
Wireless .....	Wi-Fi, BLE, Radio, NTRIP
Wired.....	RS – 232, USB



## APOGEE GNSS PVT. LTD.

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