

Track Your Vehicles
Any Time!
Any Where

Rudra - J01



Vehicle Tracking System

Model: RUDRA- J01

RUDRA- J01 is a vehicle accessory which facilitates you to keep an eye on your vehicle's movement. Using this device you can track your vehicle anywhere in the world. This system will not only track your vehicle but also monitor start-stop, speed, direction, traveling time, expected arrival time etc.

RUDRA- J01 works on GNSS and GPRS network. The GNSS system gives latitude, longitude, altitude, speed, orientation more precisely than ever. This information is sent to server using GPRS class 12 which is best in class. The user can monitor his vehicle on our secured web interface that comes with the system.

Made in India (In house product development and with two years warranty and Life time Service Support)

GNSS (Global Navigation Satellite System), RUDRA-J01 comes with a unique feature of Multi GNSS engine, which collectively tracks GPS, GLONASS and QZSS satellites. It is 3 times more accurate than GPS.

Real Time Tracking System: RUDRA-J01 computes location and motion of your vehicle at smaller intervals and sends it to the server which is so fast that you can track real time position of your vehicle.

Internal Antenna system: RUDRA-J01 is equipped with all internal antennas which further reduces risk of device tampering.

Features of RUDRA- J01

- Vehicle position data: Latitude, Longitude, Altitude, Speed, Orientation, UTC Date and Time stamp.
- Protocol: TCP/ IP (default).
- Ultimate Real time or live tracking
- Online tracking and message based location query from the RUDRA-J01.
- Fast GPS tracking record @ 5 seconds per transaction
- Storage capability unlimited data Records (approx. 6 years of data records @ 5 seconds per record) in Offline mode
- Locate and remote configuration through GPRS/SMS
- Anti-theft function: remote immobilization of the vehicle by sending a command through GPRS/SMS
- Fuel Sensor Implementation with more than 95% accuracy (Optional)
- 2200 mAh battery with up to 20 hours back up.
- Accuracy upto 10 cms in DGPS mode.
- Built in Antenna for GPS and GSM.

Why Rudra - J01

Salient Features:

- Made in India
- Real Time Vehicle Tracking System (OR Track your vehicle any-time, anywhere)
- High-end Technology with multi – GNSS engine for GPS, GLONASS and QZSS
- GNSS is 3 times more accurate than GPS.
- 2200 mAh battery with ultimate power backup upto 20 hours
- Built in Antenna System to protect device tampering
- Offline location storage upto 8GB (Enough to store lifetime data)
- Control Vehicle ignition from remote location (OR Control your vehicle ON / OFF from remote location through engine immobilizer)
- Protect your vehicle from theft.
- Geo fence for vehicle ultimate protection
- No more fuel thefts
- Panic button for emergency help
- Sensor data processing
- Various alerts and notification system
- Driver behaviour monitoring
- Free mobile App
- Life-time free Software updates using cloud technology
- Highly customizable reporting engine
- Highly customizable hardware and software as per specific needs



Technical Specification:

Make : JellyFish Telecommunication

Model : Rudra – J01

Core Components :

- ARM Cortex M0+ lowest power but powerful 32 bit microcontroller
- MTK3333 GNSS Engine.
- 2200 mAh Battery with up to 20 hours of backup.
- Integrated GSM Modem with LBS.
- Recharge through 12-30V DC from any vehicle
- SD card supported for logs upto 8 GB.
- All components of Automotive grade.

Connectivity :

- Multi-GNSS engine for GPS, GLONASS, and QZSS
- EASY™, advanced AGPS technology.
- 99 acquisition channels, 33 tracking channels
- High sensitivity: -167dBm@Tracking, -149dBm@Acquisition
- Always Locate™, an intelligent controller of periodic mode
- Balloon mode, for high altitude up to 80km
- Support DGPS, SBAS (WAAS/EGNOS/MSAS/GAGAN)
- Great anti-jamming performance due to multi-tone active interference canceller
- Embedded 18.4 × 18.4 × 4.0mm internal patch antenna for good reception of GNSS signals
- Internal Hexa-band Antenna (850/900 /1700 /1800/ 1900/ 2100MHz)
- Quad-Band 2G
- GPRS class 12: max. 85.6 kbps (downlink/uplink)

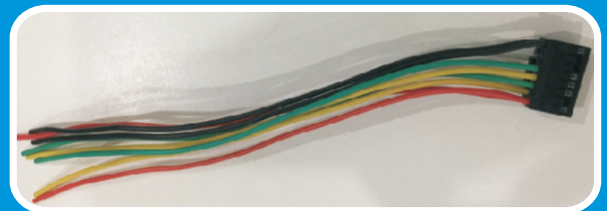
Universal Automobile Grade Safety Compliance :

- Works easily with all vehicles without causing other electronics of the vehicle.
- The device can withstand harsh environments such as Vibrations, Temperature, high altitude pressure conditions etc.
- Quality Installation.
- Automotive Grade Connectors for Electrical and fire safety.
- Tamper Detection and Alert implemented.
- 12V/ 24V with 40 A, Automotive grade relays for immobilizer.
- Support short circuit protection and antenna detection
- Ultra low power consumption in tracking mode and sleep modes, 30mA.
- Developed Firmware matching MISRA-C Standards.

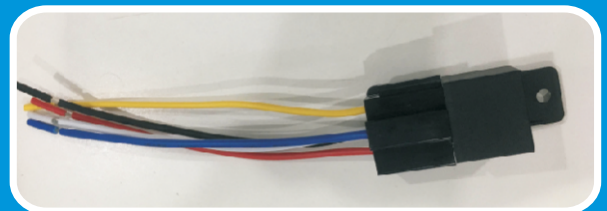
Rudra - J01



Connector



Relay



Physical Attributes:

Length 100 mm x Width 75 mm x Height 30 mm

Weight approx. 200 gm

Temperature range (ambient): -40 to 105°C

Humidity: 5 – 95% RH (Non condensing)

Application Software and User Interface :

- Platform – Windows, Android, ios
- Browser Support - Chrome, Firefox, safari.
- Database independent with support for MYSQL, Postgres.
- Server side push technology.
- JMS Messaging system.
- Web Server - Nginx.
- Programming Language - Java, Groovy.
- Based on Grails MVC architecture
- Concurrency control.
- Full REST API support.

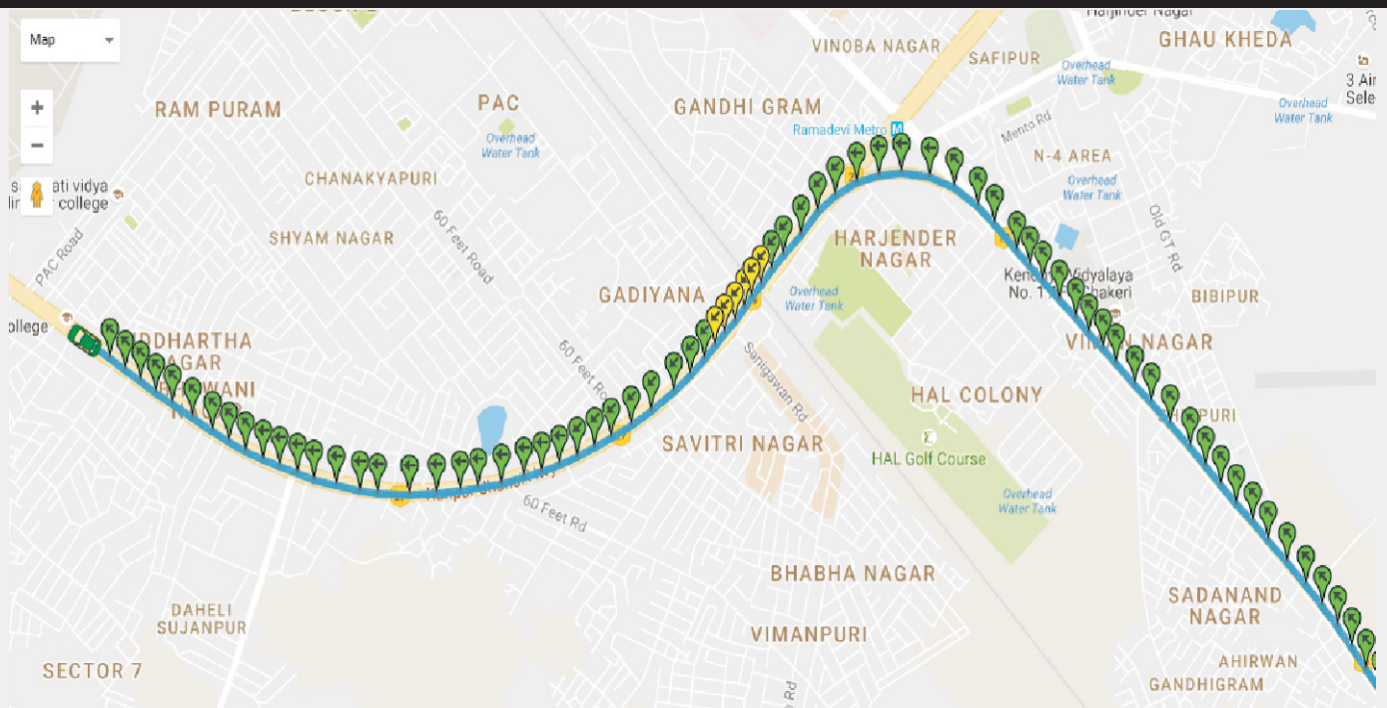
JELLYFISH GROUP

JellyFish Telecommunication Pvt. Ltd is an ISO 9001:2015 certified company and a subsidiary to **JellyFish Technologies Pvt. Ltd**. We are experts in both hardware and software side of business.

JellyFish Group started commercial operation in the year 2011 and since then our growth has been exponential. The company's corporate office is located at Noida, Near Delhi and it caters to clients across the globe.

Jellyfish Technologies provides technical consultancy services in the areas of web and mobile development. We have exceeded client's expectations month after month and grown with them.

In order to encourage noteworthy performance and customer satisfaction **JellyFish Telecommunication** is following in the footsteps of its parent company by using the path breaking technologies at all stages and delivering quality through a dedicated In-house team. We provide 24x7 support and have dedicated IVR lines to cater to our customer queries.



Contact :
JellyFish Telecommunication Pvt. Ltd.

Corporate Office:

G – 76, Sector – 63

Noida - 201307 (UP)

Phone: +91 – 120 – 4296782

URL : www.jellyfishtele.com

Email: info@jellyfishtele.com

For Any Support, Please Contact :

Helpline No. : +91-9069139399

Email: support@jellyfishtele.com (Technical Support)
sales@jellyfishtele.com (Sales)