ANTENNAS

Navigator
**ANTENNAS NAVIGATOR**

### PRODUCT ORDERING

<table>
<thead>
<tr>
<th>Application</th>
<th>Connector</th>
<th>Frequency (MHz / GHz)</th>
<th>Power (W)</th>
<th>Construction</th>
<th>Length</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Military Handheld</td>
<td>TNC</td>
<td>VHF 50-150 MHz</td>
<td>10-20</td>
<td>Thick monopole/dipole radiating element</td>
<td>Short</td>
<td>R380000600</td>
</tr>
<tr>
<td>Military Manpack</td>
<td>TNC</td>
<td>VHF 50-150 MHz</td>
<td>10-20</td>
<td>Thick monopole/dipole radiating element</td>
<td>Short</td>
<td>R380000600</td>
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<tr>
<td>Military Vehicular</td>
<td>TNC</td>
<td>VHF 50-150 MHz</td>
<td>10-20</td>
<td>Thick monopole/dipole radiating element</td>
<td>Short</td>
<td>R380000600</td>
</tr>
<tr>
<td>Industrial</td>
<td>TNC</td>
<td>VHF 50-150 MHz</td>
<td>10-20</td>
<td>Thick monopole/dipole radiating element</td>
<td>Short</td>
<td>R380000600</td>
</tr>
<tr>
<td>Telecom</td>
<td>TNC</td>
<td>VHF 50-150 MHz</td>
<td>10-20</td>
<td>Thick monopole/dipole radiating element</td>
<td>Short</td>
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</table>

### APPLICATIONS

- **Military handheld**: Special power (10 W), High gain (20+ dBi), High vibration resistance (5g), Operational temperature range (-40°C to +70°C), IP67 ingress protection.
- **Military manpack**: Special power (10 W), High gain (20+ dBi), High vibration resistance (5g), Operational temperature range (-40°C to +70°C), IP67 ingress protection.
- **Military vehicular**: Special power (10 W), High gain (20+ dBi), High vibration resistance (5g), Operational temperature range (-40°C to +70°C), IP67 ingress protection.
- **Industrial**: Special power (10 W), High gain (20+ dBi), High vibration resistance (5g), Operational temperature range (-40°C to +70°C), IP67 ingress protection.
- **Telecom**: Special power (10 W), High gain (20+ dBi), High vibration resistance (5g), Operational temperature range (-40°C to +70°C), IP67 ingress protection.

### PHYSICAL CHARACTERISTICS

- **Size vs. power and/or connector**: Size varies depending on power and connector type.
- **Choice of connectors**: Multiple connector options available.
- **Tactical radio**: Designed for tactical environments.
- **Flexible, 20 m immersible rugged whip**: High performance in harsh conditions.
- **Stainless steel cable**: Robust construction for durability.
- **High impact strength**: Resistant to impact and damage.
- **UV resistant PC material**: Long-lasting performance in various environments.
- **Range up to 6 GHz**: Wide operational frequency range.
- **V Band: 57 to 66 GHz**: High gain solutions for specific frequencies.
- **2 antenna versions that reach a gain of 32 dBi and 38 dBi**: Enhanced performance in various applications.
- **Linear polarization**: Ideal for specific communication needs.
- **ETSI Class 2 for side lobe level**: Meets industry standards for interference.
- **Printed, filar technology**: Innovative design for improved performance.
- **PCB length that focalizes the radiation**: Optimal design for efficient radiation.
- **Multi-band**: Versatility across different frequency bands.
- **Beidou for handheld devices**
- **As GPS/Glonass/Galileo/Globalstar/Garmin**: Compatibility with various satellite systems.
- **GLONASS/Galileo/GPS/Iridium**: Wide range of applications.
- **32 dBi and 38 dBi performance**: High gain solutions for specific applications.

### OPTICAL Horn WR15

- **Optical Horn WR15**: 60 GHz 1-10 W 32 dBi Array Antenna | Length: Short 30 cm | R380840000

### antenna applications

- **Military handheld**
  - Typical power: 10 W
  - High gain: 20+ dBi
  - High vibration resistance: 5g
  - Operational temperature range: -40°C to +70°C
  - IP67 ingress protection
- **Military manpack**
  - Typical power: 10 W
  - High gain: 20+ dBi
  - High vibration resistance: 5g
  - Operational temperature range: -40°C to +70°C
  - IP67 ingress protection
- **Military vehicular**
  - Typical power: 10 W
  - High gain: 20+ dBi
  - High vibration resistance: 5g
  - Operational temperature range: -40°C to +70°C
  - IP67 ingress protection
- **Industrial**
  - Typical power: 10 W
  - High gain: 20+ dBi
  - High vibration resistance: 5g
  - Operational temperature range: -40°C to +70°C
  - IP67 ingress protection
- **Telecom**
  - Typical power: 10 W
  - High gain: 20+ dBi
  - High vibration resistance: 5g
  - Operational temperature range: -40°C to +70°C
  - IP67 ingress protection
Radiall Navigator™ is a tool designed to assist our partners and customers. Its consolidated format makes sharing information about Radiall products as easy as possible.

This Navigator serves as a supplemental guide to information available in our catalogs and on our website (www.radiall.com). We recognize that time is a very limited and valuable asset. We are confident that Radiall Navigator will help users understand our products, terminologies and references better.
## AREA OFFICES / LOCAL CONTACTS

### EUROPE

<table>
<thead>
<tr>
<th>Country</th>
<th>Address</th>
<th>Phone</th>
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<tbody>
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### ASIA

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### AMERICAS

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<td>Radiall USA, Inc. 8950 South 52nd Street, Ste. 401 Tempe, AZ 85284</td>
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</tr>
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### GLOBAL PRESENCE

Australia - Austria - Belgium - Brazil - Czech Republic - Denmark - Estonia - Greece - Hungary - Indonesia - Israel - Korea - Latvia - Lithuania - Malaysia - Norway - Philippines - Poland - Portugal - Russia - Singapore - South Africa - Spain - Switzerland - Taiwan - Thailand - Turkey - Vietnam