<table>
<thead>
<tr>
<th><strong>SPECIFICATIONS</strong></th>
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<tbody>
<tr>
<td><strong>IC-SAT100</strong></td>
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<tr>
<td>Dimensions (H x W x D, projections are not included): 57.8 x 139 x 32.8 mm</td>
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<tr>
<td>Weight (approximate): 365g</td>
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<tr>
<td>Display (W x H x Approximate): 3 x 27 x 2.3 x 1.1 x 1.1 in (viewing area)</td>
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<tr>
<td>Operational temperature range: -20°C to +55°C, -4°F to 131°F</td>
</tr>
<tr>
<td>Audio output power: External speaker 1000 mW typical @ 8 ohms, 1000 mW minimum @ 8 ohms</td>
</tr>
<tr>
<td>Battery life (approximate): 14.5 hours (TX, RX, standby: 9.5, 9.0)</td>
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<tr>
<td>Antenna connector: TS9</td>
</tr>
<tr>
<td>Voltage/current is according to FCC 47 CFR Part 15.20 and EN telphone Code 194719477. The actual specifications are subject to change without notice or obligation.</td>
</tr>
</tbody>
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**Supplied accessories:**
- BP-300 battery pack
- IC-241 desktop charger
- IC-242 AC adapter
- F-015202 antenna
- M5BS-2 belt clip

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<thead>
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<th><strong>OPTIONS</strong></th>
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<tbody>
<tr>
<td><strong>BATTERY PACK</strong></td>
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<tr>
<td><strong>CHARGER</strong></td>
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<tr>
<td><strong>MULTI-CHARGER</strong></td>
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<tr>
<td><strong>SPEAKER/MICROPHONE</strong></td>
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<td><strong>HEADPHONE</strong></td>
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<tr>
<td><strong>ACC ADAPTER</strong></td>
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**IC-SAT100**

One-to-Many Global Communications with Just a Push of a Button

Icom America Inc.
www.icomamerica.com

Icom Brazil
E-mail: sales@icombrasil.com

Icom (Europe) GmbH
www.icometeurope.com

Icom (Australia) Pty. Ltd.
www.icom.net.au

Shanghai Icom Ltd.
www.bjicom.com

Your local distributor/dealer:

(941) 955-1020
SatellitePhoneStore.com
Real-Time Communications Across the Globe

What is SATELLITE PTT?
SATELLITE PTT (Push-To-Talk) is a two-way radio system that uses the Iridium® satellite network. It can be used as a communication tool in remote, isolated areas where there are no mobile phones or landline network infrastructure. Even if terrestrial network infrastructure is rendered unusable by human or natural disasters, SATELLITE PTT can provide a stable backup, independent from other networks.

Wide Area Global Communications
The Iridium® satellite network covers the entire earth, including both poles, and can provide wide area global communications anywhere on the planet.
* Depending on the country or region, carrying and/or use of the IC-SAT100 may be prohibited.

Real-Time, Low-Latency Communication
Using 66 Low Earth Orbit (LEO) Iridium® satellites, the IC-SAT100 provides low-latency communication, and broader, more reliable network coverage, compared to Geosynchronous Equatorial Orbit (GEO) satellites.

Built-in Emergency Key
The orange key on the top panel can be used for emergency situations. You can transmit an emergency call to preprogrammed users with holding down the key.

Waterproof, Dust-tight and Durable Body
The IC-SAT100 provides IP67 waterproofing (1 m depth of water for 30 minutes) and dust-tight protection, making it ideal for use in harsh outdoor environments. The radio also meets MIL-STD 810G specifications. The operating temperature range is from -30°C to 45°C (-22°F to 113°F).

One-to-Many Communications
Unlike satellite phones, IC-SAT100 users can immediately start talking to all the radios in the same talkgroup, with just a push of the transmit (PTT) button.

1500 mW Powerful Audio
1500 mW audio delivered from the internal speaker provides loud and clear communication, even in noisy environments.

Long Lasting Battery Life
The supplied BP-300 Li-ion battery pack provides 14.5 hours of operation.
* Approximate. Operating periods are calculated under the following conditions:
  - TX: 1 min, standby: 5 min.

Private Conversations
The IC-SAT100 provides secure conversations with AES 256-bit encryption.

And more
- Short Data Message function
- Voice Recording function
- Multiple language display (English, Chinese, French, Japanese, and Spanish)
- Built-in Bluetooth® - Integrated GPS receiver shows a received position information on the display
- SMA type antenna connector for an external antenna - AquaQuake™ function clears any water ingress that may penetrate the speaker grill of the unit - USB charging (USB Micro-B type)

Conventional Radios and IP Phones Interconnection
With a VE-PQ4 RoIP gateway, the IC-SAT100 can interconnect with an IP phone, IP, LTE, IDAS digital* and analog transceivers. (Planned feature)
* Type D multi-site trunking and conventional systems.

Q & A

What about communication fees?
Communion fees are typically charged at a flat rate through a monthly plan, and there are no additional call charges.* Communication fees differ, depending on the country or area and the number of the IC-SAT100.
* Depending on the country or area, a flat charge plan may not apply, or the service may not be available.

What is a "Talkgroup"?
Using SATELLITE PTT, you can communicate with other IC-SAT100 radios assigned to the same Talkgroup. The coverage area of the Talkgroup is selectable from five sizes (see the table above).

How do I assign a coverage area?
The coverage area can be split into different coverage regions, using circles, squares, and rectangles. For example, you can assign coverage areas to Tokyo, New York, and London. Coverage region example

Can I change my Talkgroup and/or the region within a coverage area?
Yes, you can flexibly change these settings* on the Iridium® website (https://pts.iridium.com).
* To change the contents of a contact may require an application in advance.

Can I use the IC-SAT100 in any location?
The IC-SAT100 can be used in open spaces, like the rooftop of a building. Receiving and transmitting may fail, depending on the satellite position or any obstacles between the radio and satellites. Your body can also be an obstacle. Hook the radio upright on your shoulder rather than on your waist.

Can the IC-SAT100 make phone calls?
No, the IC-SAT100 is PTT (Push-To-Talk) use only. Using the optional VE-PG4 RoIP gateway, the IC-SAT100 will be able to communicate with other networks (planned features).
* The optional OPC 2412 connection cable is required to connect to the VE-PG4.