



## Thuraya Repeaters

Your world  
outside,  
brought inside

Thuraya Indoor Repeaters are compact, cost effective solutions that are designed to provide Thuraya network coverage in indoor environments where there is no satellite coverage. Thuraya Indoor Repeaters can be used inside buildings, tunnels or in outdoor shadow zones with limited or no satellite signal reception.

Thuraya offers different types of Indoor Repeaters: from Single-Channel Repeaters which can handle one call or session at a time, to Multi-Channel Repeaters which enable up to 10 users to access the Thuraya satellite services simultaneously.

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# How do Repeaters work?

## What are the benefits?

## Single-Channel versus Multi-Channel

Thuraya offers 3 types of Indoor Repeaters:

- Single-Channel Repeater (fixed)
  - Single-Channel Repeater (portable)
  - Multi-Channel Repeater (fixed)
- Single-Channel Repeaters can handle one call or session at a time
  - Multi-Channel Repeaters can handle up to 10 calls or sessions simultaneously
  - The satellite signal from the Thuraya satellite is received by an outdoor antenna
  - The signal from the outdoor antenna is then amplified and transferred to the Indoor Repeater
  - The Indoor Repeater then transmits these signals to any Thuraya handset which is used within the coverage area of the Indoor Repeater
- Easy to install and operate
  - Supports voice, data/fax up to 9.6 kbps, SMS and GmPRS up to 60/15 kbps (downlink/uplink)
  - Indoor coverage of up to 530sqm. (depending on room layout)
  - Multiple Indoor Repeaters can be used to cover bigger rooms
  - Outdoor antenna can be rotated to ensure maximum signal strength
  - Improves wireless connectivity
  - Supports all Thuraya handsets

	Single-Channel Repeater	Multi-Channel Repeater
Users Supported	1 user at a time	Up to 10 simultaneous users
Coverage Area (depending on room layout)	Up to 100sqm.	Up to 530sqm.
Size	Indoor Repeater: 120mm x 170mm x 64mm Outdoor Antenna: 124mm x 164mm x 51mm	Indoor Repeater: 213mm x 180mm x 39mm Outdoor Antenna: 124mm x 164mm x 51mm
Weight	Indoor Repeater: 1.2 kg Outdoor Antenna: 0.4 kg	Indoor Repeater: 1.68 kg Outdoor Antenna: 0.4 kg
Package Contents	<ul style="list-style-type: none"><li>• Single-Channel Repeater main unit with embedded indoor antenna</li><li>• Outdoor antenna unit</li><li>• Power supply</li><li>• User manual with warranty card</li><li>• Fixed Type:<ul style="list-style-type: none"><li>- 12m RF antenna cable</li><li>- Screw set</li></ul></li><li>• Portable Type:<ul style="list-style-type: none"><li>- 5m RF antenna cable</li><li>- Suction mount</li></ul></li></ul>	<ul style="list-style-type: none"><li>• Multi-Channel Repeater main unit</li><li>• Outdoor SAT antenna with 50m antenna cable assembly</li><li>• Outdoor GPS antenna with 50m antenna cable assembly</li><li>• Indoor SAT/GPS antenna unit</li><li>• 30m Indoor SAT antenna cable assembly</li><li>• 30m Indoor GPS antenna cable assembly</li><li>• AC power supply</li><li>• Screw set</li><li>• User manual with warranty card</li></ul>

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