

i.Send™ Portable In-Building Test Transmitter

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Andrew Solutions' i.Send Portable Transmitter emulates a base station signal for field testing with mobile phones, handheld test units, and digital scanners. The i.Send is ideally suited to work in concert with the i.Scan™ Digital Scanner and the i.PC™ Measurement Solution. The test transmitter is an integral tool for many applications including analysis for base station tower site evaluation, propagation model tuning, and indoor coverage enhancement. The i.Send is also available as a



component of the Andrew i.Walk™ In-Building solution.

The transmitter has the following features:

- Support for CW, GSM, and WCDMA protocols covering all appropriate bands
- Base station broadcast signals with user settable channel and message parameters
- Complete kit includes Andrew Solutions Cellmax 0–25 omni and D–25 directional panel antennas, a whip antenna, battery with charger, tripod, and travel case
- RF power output settable from –20 dBm to +21 dBm in 1 dB steps
- Output recognizable by both mobile terminals and measurement receivers
- Transmitter output supports the Invex.NxG drive test measurement systems with decoding capability
- External LED and software interface indicators for transmit mode status
- Bundled with control software
- 100 Mbps Ethernet and WiFi based host interface
- Low Power consumption, light weight
- Extremely small – just 3.70" (9.40cm) x 1.83" (4.65 cm) x 10.14" (25.76 cm)
- 4-Hour Rechargeable Battery Pack

The i.Send transmitter kit provides a comprehensive set of tools for in-building testing.

The kit includes the following components:

<p>i.Scan Portable Transmitter with 4-Hour rechargeable lithium-ion battery pack: One rechargeable battery pack is included with the transmitter. Additional battery packs may be purchased.</p>		<p>Andrew Cell-Max™ D-25 Directional In-building Antenna, 806–960 MHz and 1710–2200 MHz: This antenna has a nominal horizontal beamwidth of 70° and a gain of 7 dBi in both bands.</p>	
<p>Lithium-Ion Battery Charger/ AC Power Supply (110/240 VAC): This power supply is used to charge transmitter battery packs and provide power for continuous transmitter operation.</p>		<p>Andrew Cell-Max™ Omnidirectional In-building Antenna, 806–960 MHz and 1710–2200 MHz: This antenna has a nominal horizontal beamwidth of 360° and a gain of 3 dBi in both bands.</p>	
<p>Cigarette lighter adaptor cable: This adapter is used to power the transmitter or charge the transmitter's battery using vehicle power.</p>		<p>Omni-directional Whip Antenna 806–960 MHz and 1710–2200 MHz: This antenna can be directly connected to the transmitter to provide an omni directional output from the transmitter. The nominal gain is 0 dBi.</p>	
<p>Pelican 1560 Travel case for transmitter and accessories: This rugged road case is custom fitted to hold the i.Scan transmitter and associated antennas and cables.</p>		<p>Wi-Fi Antenna: The i.Scan transmitter can be configured using a 802.11b/g Wi-Fi link. This antenna connects to the i.Scan transmitter for Wi-Fi reception.</p>	
<p>Tripod for mounting the Andrew Cell-Max D-25 and O-25 antennas: The tripod folds down to just 63 cm (25 in) for travel and has a maximum height of 139 cm (55 in). A custom mounting plate is included for attaching the antennas to the tripod.</p>		<p>Antenna extension, adapter cable for Cell-Max antennas: This 1.8 meter (6 ft) SMA male to Type N male cable provides the connection between the i.Scan transmitter's SMA RF output connector and an antenna with a Type N Female connector.</p>	
		<p>Cross-connect Ethernet/LAN cable for connecting the transmitter to the Ethernet port of a PC: This cable is included for configuring the transmitter using a wired connection or for performing the initial setup for Wi-Fi 802.11b/g operation.</p>	