



International Broadcast Transmitters Ltd.

Handheld Wireless Phone Interface - model *FIELD REPORTER*



The *FIELD REPORTER* handheld wireless phone interface is used for relaying audio from the field to a studio, whether it be a sporting event commentary, reporting at live events, or field interviews. A radio station commentator or reporter can relay audio to the radio station's studio using a *FIELD REPORTER* connected to a wireless phone dialled into a studio landline phone, where that line is interconnected to a broadcast console or mixer. Alternatively, a second *FIELD REPORTER* unit can be used at the studio if a wireless phone is also used there.

Features

- Dual dynamic microphone inputs.
- Indicators: 10 segment microphone speech loudness VU meter and 10 segment battery strength.
- Amplified stereo headphone circuit to clearly hear studio talkback at loud events. The amplified circuit can also be used to listen to music or other content played from a smart / cell phone.
- Very long battery life: 50 hours with 4 x AA alkaline batteries. Can also be operated from any 5.5 to 26 Volt DC external source, and is protected from reverse polarity connections.
- The supplied type A audio cable is compatible with many current wireless phones. Optional cables are available for many other brands and models of wireless phones. See Appendix for listings.
- D-rings for conveniently hanging unit around neck with lanyard, allowing hands-free convenience.
- At the studio, use model *LL-PATCH* telephone interconnect for interfacing a dial-up telephone line to a studio console.
- A second *FIELD REPORTER* can also be used to interface a wireless phone to a studio console or mixer, using the supplied audio cable.

INSTRUCTIONS

Setup

- Connect the headphones, microphone, and appropriate audio cable to the wireless phone's audio jack.
- Turn fully counter clockwise the left hand adjustment located in the lower handle portion of the unit. Initiate a phone call and adjust the control for clear and strong microphone audio. The phone call can be cancelled at this point. Adjust the right hand VU meter adjustment, while talking into the microphone, for occasional full scale deflection on the VU meter. These two adjustments are only done once to set them for a particular wireless phone.



Operation in the field

- With the *FIELD REPORTER* set up as above, establish a phone connection with the studio. Adjust microphone and headphone levels, and once the person at the studio switches the field unit on-air, begin the broadcast.
- The studio will be able to talk back over the talkback / headphone circuit to give instructions.
- Verify occasionally the *FIELD REPORTER*'s battery strength.
- Note: Wireless phones can cause radio interference to audio equipment, resulting in noisy audio. As much as possible, keep the wireless phone at least 30 cm from all audio equipment and cables.

Operation in the studio

- Connect a wireless phone, microphone, and headphone-to-console / mixer-cable into the *FIELD REPORTER* and establish a phone connection with the field unit.
- Adjust the headphone level to get an adequate level on the console or mixer's level indicator. Once the person at the field unit is ready to go on-air, increase the appropriate mixer channel gain and begin to broadcast the field unit's audio.
- The studio will be able to talk back to the field unit over the *FIELD REPORTER*'s microphone to give any necessary instructions.

Appendix

Compatible Wireless Phones – Type A Cable

The following wireless telephones are compatible with the Type A *FIELD REPORTER* to phone audio cable (3.5 mm 4 pole plug with the following pinout). Note that the information was gathered from various internet sources, and has not been confirmed correct.



Pin name	Use
Tip	Left audio out
Ring 1	Right audio out
Ring 2	Ground
Sleeve	Microphone input

Apple

iPhone, iPhone 3G, iPhone 3G S, iPhone 4, iPhone 4 S, iPhone 5, iPad, iPad 2, iPad 3, iPad 4, iPad mini

Alcatel

Tribe OT-980 / OT-980A

Blackberry

8120 Pearl 2, 8130 Pearl 2, 8220 Pearl Flip, 8230 Pearl Flip, 8530 Curve, 9000 Bold / Javelin / Niagara, 9500 / 9530 Storm, 9670 Style, Bold 9650, Bold 9780, Bold / Onyx 9700, Curve 2 8930, Curve 3G 9330 / 9300, Curve 8300, Curve 8310, Curve 8320, Curve 8330, Curve 8520 / Gemini, Curve 8900, Pearl 3G 9100, Pearl 8110, Playbook, Storm 2 9520 / 9550, Torch 9800, Tour 9630

Danger

Sidekick LX 2009

DELL

Streak, Streak 7, Venue Pro

HP

iPAQ Glisten

HTC

7 Trophy / Spark, Aria, Arrive, Desire, Droid Eris, DROID Incredible 2, Droid Incredible ADR6300, EVO 4G, EVO Shift 4G, Freestyle, Google Nexus One GSM, HD7, Hero, Imagio / XV6975, Inspire 4G, Merge, Mytouch 3G 1.2, myTouch 3G Fender, myTouch 3G Slide, myTouch 4G, Touch Pro 2 XV6875, Surround, Thunderbolt, G2, Mobile HD2, Touch HD, Wildfire

Huawei

M735, M750

Kyocera

Echo, M6000 Zio / Sanyo SCP-8600 Zio, Rio E3100

LG

Ally VS740 / US740 Apex, Arena, Chocolate 3 VX-8560, Chocolate Touch VX8575, Fathom VS750, G2x, GS390 Prime, GW300, GW620, Lotus LX600, Neon II, Optimus M MS690 / Optimus C, Optimus T, Quantum C900, Rumor Touch /LN510,Tritan AX-840 / UX-840, Vortex VS660, VX9700 Dare

Microsoft

Kin One , Kin Two

Motorola

A45 Eco, A630, Atrix 4G / MB860, BACKFLIP, Bravo MB520, Charm MB502, CITRUS / WX445, Cliq, CLIQ 2, CLIQ XT, Crush / W835, DEFY MB525, Devour / A555, Droid2 / Droid 2 Global, Droid A855, Droid Pro / A957 / XT610, Droid X, Flipout, FLIPSIDE, Hint QA30, i856 Debut, Karma QA1, Krave ZN4, MILESTONE, Milestone 2 A954, MILESTONE XT720, Moto surf A3100, Q, Motorola RAZR Vegas VE20, Rival A455, ROKR E8, ROKR EM330, ROKR Z6m, Ve440, WX404 Grasp, XOOM, Zine ZN5

Nokia

Nokia doesn't apply for this pinout. They change ground for mic. Then stands for LRMG.

Palm

Pixi, Pixi Plus, Pre, Pre 2, Pre Plus, Treo 680, Treo 750 / Treo 750v / HTC Cheetah, Treo Pro

Pantech

PN-820

Samsung

Acclaim SCH-R880, Captivate SGH-i897, Continuum SCH-i400, Craft SCH-R900, Droid Charge 4G LTE, Epic 4G, Evergreen SGH-A667, Exec SCH-i225, Finesse SCH-R810, Flight II SGH-A927, Focus SGH-I917, Freeform / Link SCHR350 / SCH-R351, Galaxy Indulge SCHR910, , Gem SCH-i100, Instinct SPH-M800, Intercept SPH-M910, Intrepid SPH-i350, Messenger III SCH-r570, Messenger II SCH -R560, Messenger Touch SCH-R630 / SCH-R631, Moment SPH-M900, Mythic SGH-A897, Nexus S / GT-i9020T, Omnia II SCH-I920, Profile SCH-R580, Reality SCH-U820, Reclaim SPH-M560, Restore SPH-M570, Rogue SCH-U960, SCHR350 Freeform, SCH-R470 Twostep, SCH-U490 Trance / Violin, SCH-U520, SCH-U940 Glyde, Seek SPH-M350, SGH -I607 Blackjack, SGH-T519 Trace, SPHM360, SPH-M500, SPH-M610, Suede R710, Transform SPH-M920, Trill SCHR520

Sanyo

M1

Sharp

FX, Hiptop 3, Sidekick 2008 / Gekko, Sidekick 3

Sony Ericsson

Xperia X10, Xperia X1 GSM, Z710 / Z710i

ZTE

E520 Agent

Compatible Wireless Phones – Type B Cable

The following wireless telephones are compatible with the Type B *FIELD REPORTER* to phone audio cable (2.5 mm 4 pole plug with the following pinout). Note that the information was gathered from various internet sources, and has not been confirmed correct.




Pin name	Use
Tip	Left audio out
Ring 1	Right audio out
Ring 2	Microphone input
Sleeve	Ground

Sony Ericsson

K700, P800S, P900, P910i, R520m, T200, T226, T28, T300, T306, T310, T39m, T600, T60LX, T610, T616, T61C, T61LX, T62u, T630, T637, T66 World, T68, T68i, Z1010, Z200, Z600, J200i, J210i, J220i, J230i, J300i, J300c, J300a, K300, K500c, K500i, K508i, K600i, K608i, K700i, S700, S700c, S700i, S710, S710a, S710i, Z208, Z300i, Z500a, Z800i, V802SE

Compatible Wireless Phones – Type C Cable

The following wireless telephones are compatible with the Type C *FIELD REPORTER* to phone audio cable (2.5 mm 3 pole plug with the following pinout). Note that the information was gathered from various internet sources, and has not been confirmed correct.



Pin name	Use
Tip	Microphone input
Ring 1	Audio out
Sleeve	Ground

Audiovox

1110XL, 7900, Sharp Z-800, Audiovox CDM-130, CDM-135, Audiovox CDM4000, CDM4500, CDM-7000, CDM-8100, CDM-8150 / CDM-8150X, CDM-8200, CDM-8300, CDM-8400, CDM-8410, CDM-8425, CDM-8450, CDM-8455, CDM-8500, CDM-8600, CDM-8610 / Vox 8610, CDM-8615, CDM-8900, CDM-8920, CDM-8930, CDM-8940, CDM9000, CDM-9100, CDM-9150, CDM-9155, CDM-9200, CDM-9500, CDM-9600, CDM-9900, CDM-9950 / CDM-9950SP, PCX1100, PPC 4100, SMT 5600, SPV C500, Thera / Toshiba 2032, VI600

Calcomp

A210 Captr II, Captr A200, Calcomp Cricket A100, Calcomp MSGM8 Message Mate / A300

Casio

G'zone C741 Brigade, Casio G'zOne Ravine C751, Casio Verizon G'zOne Rock C731

Firefly

Mobile Firefly

Garmin

G60 Nuvifon

HP

iPAQ 510 Voice Messenger, HP iPAQ 900 / 910 Business Messenger, HP iPAQ hw6920

HTC

Faraday / 2125 / 2100 / C600, HTC Harrier, HTC Iris / S640, SMT5800 / S720 / Libra / Fusion 5800, Tornado / SDA USA / SP5M, Verizon Bee / Alltel Wildfire, HTC Wizard / 8125 / 8100 / USA / K-JAM / P4300 / MDA

Huawei

Ascend M860, M228, M328, Huawei M750

Kyocera

1135, 1155, 2119, 2135, 2235, 2255, 2325, 2345, 3225, 3245, 3250, 5135, 7135, Adreno S2400 / TNT!, Candid KX16, Deco E1000, Domino S1310, Dorado KX13, E1100 Neo, Energi K490 / K493 / K494, K132 Marbl / Velvet, K310, K312, K320, K322 / K325 Cyclops, K323, K342, Kyocera K480 Aktiv, KE414, Koi KX2, KX12, KX160 Xcursion, Kyosera KX18 / Jet / Angel, KX1 / SoHo, KX424 Blade / KE424c, KX433 / KX434 / K10 / Rave / Royale / K7 / K9 / K434N / KE433 / KE434C, KX440 / KX444, KX9A, KX9b, KX9c Milan / KX9, Laylo M1400, Lingo CKM1000 / Wild Card / M1000, Loft / Torino S2300, Melo S1300, Oystr KX9D, Oystr KX9E, Phantom / KE413 / K454 / KX413 / KE414 / KX414 / K404 / K433, QCP-2035, QCP-3035 / QCP-3035e, QCP-6035, S1000 / K126c, S14 Opal, S2100, S4000 Mako, Kyocera SE44 / SE47 / V5 Slider, Slider Remix KX5 / Sonic Slider, Strobe K612 / Switchback / K612B, Tomo S2410, X-tc M2000

LG

100, 1010, 357, 4NE1, 5400A, 5450, 6190, A7110, Accolade VX5600, AX-140 / LX-140 Aloha / 200C / AX-145 / UX-145, AX155, AX-265 Banter / UX-265, AX-275, AX-300 / UX-300, AX-355 / UX-355, AX-390 / UX-390, AX-490, AX-5000 / UX-5000, AX-565 / UX-565, AX-830 Glimmer / UX-830 / Vantage / Spyder, Bliss / UX700 / LG700, C1300, C1500, C2000, CE500, CG225, CG300, Clout VX8370, Cosmos VN250, LG CU320, CU400, CU405, CU500, enV3 VX-9200, F7200, F9100, F9200, Fusic / LX-550, G4010 / G4011, G4015, G4020, G4050, Glance VX-7100 / UX-7100, Helix UX-310 / AX-310 / LW-310, Imprint MN240, L1150 / L1100, L1200, L1400 / C1400, Lotus LX600, LX1200, LX-150, LX-160 / LX-165 Flare, LX-260 / Rumor / Scoop / UX-260 / AX-260, LX-290, LX-350 / DM-L200 / DM-L210, LG LX-370 / UX-370 / MT-375 Lyric, LX-400 Hero, LX-5350 / VX-5350, LX-5550 / VX-5550, LX610 Lotus Elite / Mystique UN610, MM-535, MN180, Octane VN530, PM-225, PM-325 / LX-325, Remarq LN240, Rumor2 / LX265, Saber UN200, SP110, Swift AX-500, TM-510, TP 1100 / SP-510, TP 5200 / TP 5250 / TP 520, UX-220, UX-310, V111, Versa VX-9600, VI-125, VI-5225, VX-10, LG VX-10000 Voyager, VX-1000 Migo, VX-1 / TM-520, VX-2000, VX-3100 / VX-3100A / TM250, VX-3200 / AX-3200, VX-3280 / UX-3280, LGVX-3300 / UX-3300, VX-3400 / UX-210, VX-3450, VX-4270 / AX-4270, VX-4400, VX-4500 / UX-4500, VX-4600, VX-4700 / VX-4650 / AX-4750 / UX-4750 / VX-4750, VX-5200, VX-5300 / AX-245 / UX-245, VX-5400 / LX-5400, VX-5500, LG VX-6000, VX-6100,

VX-6200, VX-7000, VX-8000, VX-8100, VX-8300, VX-8550 Chocolate, VX8610 Decoy, VX-8800 Venus, VX-9000, VX-9100 enV2, VX-9400, VX-9800 V, VX-9900 enV, Wave AX-380 / UX-380, Wine II UN430

Motorola

120t, A1200 / Ming, A630, A668, A840, A845, BALI WX415, Barrage V860, C139, C168i / Go-phone, C257, C261, C290, C331G, C331t / Hourglass, C332, C333 (GSM), C341, Motorola C343, C350, C353, c353t, C359, C370, C450, C650, Clutch i465, E310, E380, E398, E815, E816 Hollywood, Entice / W766, ES400 / ES400S, i1, i205, i215, i265, i275, i285, I290, i296, i30, i305, i30sx, i315, i325, i335, i35, i355, i35s, i365, i365IS, i410, i415, i425, i450, i455, i50, i50sx, i530, i55, i560, i570, i576, i58, i580, i60, i605, i615, I670, i680 Brute, i686 Brute, i690, i710, i720, I730, I733, I736, i740, i760, i776, i80, i830, i833, i835 Roxy, i836, i85, i850, i855, i860 Woody / Tattoo, i870, i875, i876, I877 Pininfarina, i88, i880, I885, i90, i920, i930, i95, i99, IC402, IC502 Buzz, ic602 Buzz+, ic902, MOTOACTV W450 / ACTV, Motorola MPx200, MPx220, Q, Q9M / Q9C, Quantico V840, Quantico W845, RAMBLER WX400, Rapture VU30, Renegade V950, RIZR Z6tv, ROKR E1, Sidekick Slide, T2260, T2267, T2282, T2288, T2290, T2297, T300p, T720 / T722i, T725, T725e, T730 / T731c, Talkabout T193, Timeport P280, Timeport P7382i, V100, v120c / v120t / v120x, V120e, V176, V177, V180, V186, V188, V190, V195, V197, V220, V2200 Series, V235, V260, V262, V265, V266, V276, V300, V323 / V323i, V325 / V325i, V330, Motorola V360, V361, V365, V400, V500, V505, V525, V535, V540, V545, V547, V550, V551, V555, V557, V600, V60c, V60ci, V60g, V60gi, V60i, V60ic, v60p, v60s, V60t, V60T Color, V60ti, V60v, V60x, V620, V635, v65p, v66, v70, V710, V810, VE240, VE465 Frost, VU204 / Limerick, W220, W230 / W230a, W233 Renew, W315, W375, W376, W377, W380, W395, W755

NEC

515, 525

Nextel

i55sr, i58sr, i60c, i85s, i88s, i90c, i95cl

Nokia

1006, 1606, 1650, 1661, 1680 Classic, 2320 Classic, 2600, 2705 Shade, 2720 Fold, 3600 Slide, 3606, 3610 Fold, 6350, 6500 Slide, 6750 Mural, 6790 Surge, 7210 Supernova, 7310 Supernova, 7510 Supernova, 7610 Supernova, 7705 Twist, E71, E71x

Palm

Centro 685, Centro 690, Treo 180, Palm Treo 180g, Treo 270, Treo 300, Treo 600, Treo 650, Treo 680, Treo 700p, Treo 700w / 700wx, Treo 750 / Treo 750v / HTC Cheetah, Treo 755p,

Panasonic

Allure EB-TX310, GD87 / GU87, Versio EB-TX320, X70

Pantech

C150, C3B, C510, C600, C610, C810 Duo, Caper 8035, DM-P205, Jest, Matrix Pro C820, Ocean, PG-C120, PG-C300, PN-205, PN-210, PN-212, PN-215 / Snapper, PN-218, PN-300 / Snapper, PN-320, PN-3200, PN-820, PN-8915 / Snapper / CDM-8915, PN-E300

PCD

CDM8635, CDM-8950 / Rhapsody, CDM-8975, PCD Razzle TXT8030 / TXT8030VW, PCD TXTM8 / TXT8026, PCD Verizon, Escapade / WP8990VW / WP8990

RIM BlackBerry

6210 / 6220, 6230, 6280, 6510, 6710, 6720, 6750, 7100 / 7100g / 7100i / 7100t / 7100x / 7100r / 7100v, 7130e, 7130g / 7130c, 7210, 7230, 7250, 7270, 7280, 7290, 7510, 7520, 7730, 7750, 7780, 8350i Curve, 8700 / 8700c / 8700r / 8700f / 8700v / 8700g, 8703E, 8800 / 8800C, 8820, 8830, Pearl 8100 / 8100c

Samsung

Caliber SCH-R850, Cobra SPH-M320, Contour SCH-R250, Freeform / Link SCH-R350 / SCH-R351, Gusto, Intensity II SCH-U460, Intensity SCH-U450, Knack SCH-U310, MM-A700 / SPH-A700, MM-A880 / SPH-A880, MM-A900, MM-A920, MM-A940, MyShot II / SCH-R460, PM-A840, Profile SCH-R580, Rant SPH-M540, Restore SPH-M570,

SCH-850, SCH-8500, SCH-A310, SCH-A530 / SCH-A530s, SCH-A610, SCH-A630, SCH-A645, SCH-A650, SCH-A670, SCH-A690, SCH-A790 / IP-A790 / SPH-A790, SCH-A795, SCH-A850, SCH-A890, SCH-A930, SCH-A950, SCH-A970, SCH-i600 / SP-i600/ SPH-i600, SCH-i645, SCH-i730, SCH-I760, SCH-i830 / IP-830w, SCH-N150, SCH-N330, Samsung SCH-R210 Spex / SCH-R210A Spex, SCH-R211, SCH-R350 Freeform, SCH-R550 JetSet, SCH-T300, SCH-U320, SCH-U340 Snap, SCH-U410, SCH-U440 Strut / Cleo / Gloss, SCH-U470 Juke, SCH-U520, SCH-U540, SCH-U550, SCH-U620, SCH-U700 Gleam / SCH-U706 Muse, SCH-U750 Alias 2, SCH-U810 / Renown, SCH-U940 Glyde, SGH-C416, SGH-C417, SGH-D347, SGH-D357, SGH-D407, SGH-D410, SGH-D415, SGH-D820, SGH-E105, SGH-E335, SGH-E715, SGH-I607 Blackjack, SGH-N105, SGH-N625, SGH-P100, SGH-P107, SGH-Q105, SGH-R225, SGH-R225M, SGH-S100, SGH-S105, SGH-S307, SGH-T209, SGH-T309, SGH-T319, SGH-T809, SGH-V200, SGH-V205, SGH-V206, SGH-X105, SGH-X426, SGH-X427, SGH-X475, SGH-X495, SGH-X496, SGH-X506, SGH-X507, Smooth SCH-U350, SPH-A400, SPH-A420, SPH-A460, SPH-A500, SPH-A540, SPH-A560, SPH-A580, SPH-A600, SPH-A620, SPH-A640, SPH-A660 / VI660, SPH-A680 / VM-A680, SPH-A740 / PM-A740, SPH-A760 / RL-A760, SPH-A800 / MM-A800, SPH-A960 / MM-A960, SPH-I300, SPH-i330, SPH-i500, SPH-i550, SPH-i700, SPH-M240, SPH-M300 / Disney Mobile DM-S110, SPH-M330, SPH-M500, SPH-M550 Exclaim, SPH-M610, SPH-N200, SPH-N240, SPH-N300 / SCH-N300, SPH-N400, SPH-Z400, Stride SCH-R330, Stunt / SCH-R100, Supra SPH-M220, Tint SCH-R420, VGA1000, VI-A820 / SPH-A820, Zeal / Alias 2 SCH-U750

Sanyo

Incognito SCP-6760, Innuendo SCP-6780, M1, MM-5600, MM-7400, MM-7500, MM-8300, MM-9000, PM-8200 / SCP-8200, PRO-200, PRO-700, RL-2000, RL-4920, SCP-200, SCP-2400, SCP-2500 / S1 / RL-2500, SCP-2700, SCP-3100, SCP-3200, SCP-3800 Katana LX, SCP-3810, SCP-4000, SCP-4500 / VM-4500, SCP-4700, SCP-4900, SCP-5000, SCP-5150, SCP-5300, SCP-5400, SCP-5500, SCP-6200, SCP-6400, SCP-6600 Katana, SCP-6650 Katana II, SCP-7000, SCP-7200, SCP-7300 / RL-7300, SCP-8100, SCP-8400, SCP-8500 Katana DLX, Tahoe SCP-4100, Vero, VI-2300

Sharp

Hiptop 3, Sidekick 3, Sidekick iD, TM-150, Z-800

Siemens

A60, C60, C61, CT56, M46, S46, SL56, SX66 / MDA III / PDA2K / HTC Blue Angel

Sony Ericsson

P910, T206, T608, T60d / T60LX, T60 / T61 / T62, T637

Toshiba

VM4050

UTStarcom

Blitz / TXT8010, CDM-105, CDM-120, CDM-1450 Super Slice / PCS-1450, CDM-180, CDM-7000, CDM-7025, CDM-7026, CDM-7075 / CDM-220, CDM-7126, CDM-8074 Arc / CDM-8074VM, CDM-8630 Coupe, CDM-8905, CDM-8910 / Flasher V7 / PM-8912, CDM-8932, CDM-8945 / PN-230, CDM-8964 / CDM-8965 Shuttle, CDM8975, PPC-6600 / PPC-6601 / XV6600, PPC-6700 / HTC Apache, Slice PCS-1400, XV-6700 / HTC Apache

VK Mobile

VK530

VOCERA

B2000, B3000

ZTE

C78, Cricket MSGM8 II / A310, Verizon Salute F350