

BENELEC

RADIO ACCESSORIES



17 Byrnes St, Botany 2019 NSW, Sydney Australia
+61-2-8397-3333 | reception@benelec.com.au
ABN : 3206 4708 390 | NCAGE : Z4712

BENELEC.AU



Since its establishment in 1978, Benelec Pty. Ltd. has been supplying transmission components and devices and antenna systems to the professional radio communication, public safety, auto vehicle location (AVL), wireless, broadcast and defence industries for frequency bands 2MHz to 6GHz.

Antenna products and systems are designed and manufactured at the Botany facility which occupies over 3,000 square meters, comprising metal and plastic parts engineering manufacturing, metal finishing plants, assembly lines, warehousing, sales, distribution and administration.

Benelec also offers its design, manufacturing and processing facilities through its industrial services division to provide solutions to industry problems for volume reprocessing, repairs, retrofits, modifications, refinishing and repackaging.

Sales and warehousing facilities are provided through Benelec Offices in NSW, Queensland and Western Australia. Exports are handled from the NSW Branch.

Benelec products have earned an enviable reputation for good design and a high quality of materials and manufacturing, underscored by better than industry average performance and durability. Starting from a high base, we consistently strive to improve our products.

At Benelec we are a team of caring members who work well together and enjoy what we do, which is to provide our customers with honest, straightforward, prompt and reliable service.

CATALOGUE CONTENTS

H-Termination Overview	3	Radio Wireless Adaptor.....	16
H-Termination Adapters	4	OPENCOMM Headset	17
H-Termination Audio Accessories.....	6	Wireless High-Noise Headsets	19
<i>Speaker Mics.....</i>	<i>6</i>	Fire RSM	21
<i>Headsets.....</i>	<i>6</i>	Fire RSM - Breathing Apparatus.....	22
<i>Professional Audio Accessories</i>	<i>7</i>	Dual Radio Audio Interface	23
<i>High Noise Headsets.....</i>	<i>8</i>	Mobile Radio Speakers	25
Audio Accessories Terminated for Radio Use.....	9	Mobile Radio Microphones	26
<i>Direct Termination Speaker Mics</i>	<i>9</i>	Mobile Radio Audio Handset	27
<i>IP67 Submersible Speaker Mics</i>	<i>9</i>	Portable Radio Cases	28
Universal Covert Base Unit.....	10	Paqua Waterproof Packs	29
Covert Wireless Headset.....	11	Universal Intelli Smart Chargers.....	31
Audio Accessories	12	<i>Cup Options.....</i>	<i>33</i>
<i>Multi-use Noise-Cancelling Speaker Mic.....</i>	<i>12</i>	<i>Universal Intelli Smart Charger Accessories</i>	<i>34</i>
<i>Direct Terminated Headsets</i>	<i>13</i>	Portable Radio Power Accessories	35
<i>Direct Terminated Listen-only Headsets.....</i>	<i>13</i>	Benelec Keyloader Solution Kit.....	36
<i>Passive Smart Hearing Protection.....</i>	<i>14</i>	Test Equipment & Site Analysers	37
<i>Optional Accessories</i>	<i>14</i>	Portable Radio Audio Terminations	39
Wireless Portable Radio Accessories.....	15		



H-Termination Radio Audio System

Universal Accessory Series

The **H-Termination Adaptor** has been designed to provide a range of universal audio accessories that are able to terminate to a wide range of radio brands and models. The H-Termination system provides mechanical strength at the termination to the radio while still providing the ability to quickly and easily change the audio accessory between shifts.


























The inline plug and socket are keyed so they will only go together in one direction. To fit them, mate the two sides together and gently rotate the plug until they locate, then just push them together until they lock. To separate the plug and socket slide the outer sleeve of the plug up towards the earpiece and you should be able to pull them apart easily.



Key Benefits

- Allows for a comprehensive range of Benelec high performance audio accessories and radio adaptors suitable for all major brands and models.
- Rapid and secure termination of accessories without affecting or damaging the radio's audio port.
- Preserves the capital investment in accessories as radio changes can now be made, and new adaptors used.
- Unsecured radio audio connections have a cable tail to provide strain relief.
- The universal interface of H-Termination can now service multi-platform radio fleets.
- Dealers can carry less stock and sell customers different radio brands with one accessory.

H-Termination Radio Adaptors

Part #	Product Image	Radio Brand	Supported Radio Models
07890B1			DPHX5102X, DPH Command, GPHX Portable Radios
07890B2			BLP400/BLP450/BLP600/BLP650 Series
			KNG Series Portables
07890H1			Prism/ LPE-200
07890H2			MARK II
07890H3			Jaguar 700P, P5100, P7100...etc
07890H6			XL-185P, XL-200P
07890H4			PD70x, PD78x series
07890H5			X1P, PD600, PD602, PD502
07890E4			BL500, BL520 Series
07890K1			TK-220/320, 240/340, 240D/340D, TK-208/308, 430/431, 250/350/353, TK-260/270, 260G/360G, 360/370, 270G/370G, 248/348, 2100/3100 Pro-Talk, 3101 FreeTalk XL, 2102/3102 Pro-Power
07890K2			TK-190, TK-280, TK-380, TK-385, TK-390, TK-480, TK-481, TK-2140, TK-2180, TK3140, TK3148, TK-3180, TK-5210, TK-5400, TK-5310, NX200/300
07890M1			GP68, GP88, GP300, GP308, GP350, P040, P080, P110, P1225, P1225LS, P2000, CP88, CP125, CP150, CP200, CT150, CT250, CT450, CT450LS, PRO2150, PRO3150, BPR40, EP450, MTH500, GTX, SP50, LTS2000, PR400
07890M3			5100, 7700 Series
			HT1000, MTX838, MTX1000, JT1000, MT2000, MTS2000, XTS3000/Astro, MTX, XTS3500, XTS5000, MT2000, MTS2000, XTS3000, GP900, MTX1000, XTS2500, MTX8000
07890M4			BL800 Series
			HT750, HT1250LS, HT1550XLS, MTX850LS, MTX950, MTX8250LS, MTX9250, PRO5150, PRO7150, PRO9150, PRO5350, PRO5450, PRO5550, PRO5750, PRO7350, PRO7450, PRO7550, PRO7750, GP328, GP338, GP329, GP339, PTX700, PTX760, PTX780, GP320, GP140, GP340, GP360, GP640, GP680, GP1280

H-Termination Radio Adaptors

Part #	Product Image	Radio Brand	Supported Radio Models
07890M5		 MOTOROLA	EX500, EX600, GL2000, PRO5150elite, PTX760plus, GP328plus, GP338plus, GP628plus, GP344, GP388
			SRP9170/SRP9180
			TC-780, TC-380M/370M, TC-780M, TC-780, TC-610P
07890M7		 MOTOROLA	Mototrbo, XPR6300 / 6500 / 6550, APX400 / 6000 / 7000
07890M8		 MOTOROLA	DP2000, XPR3000
07890M12		 MOTOROLA	SL1K, SL4000
07890S1		 ICOM	IC-F3, IC-F3S, IC-F4, IC-F4S, IC-F10, IC-F20, IC-H2IC-H6, IC-J12, IC-M5, IC-U12, IC-U16, IC-36FI, IC4088S, COBRA and RITRON Series
			SL25, SL55, SP-120/130/140
			UH040, UH042
			TX6000, TX7000, TX670
07890S2			
07890S3		 ICOM	IC-F3G, IC-F3GS, IC-G3GT, IC-F4G, IC-F4GS, ICF4GT, IC-F43GS, IC-F43GT, IC-F43TR, IC-F11, IC-F11S, IC-F21, IC-F21S, IC-F31
			TX6100
07890S5		 ICOM	IC-F30GT, IC-F40GT, IC-F50, IC-F51, IC-F60, IC-F61, IC-F30GS, IC-F40GS, IC-F41G, IC-F31G, M88, M87, IC-F70, IC-F80, IC-F3061, IC-F4061, IC-F70DT, IC-F70T, IC-F70DS, IC-F70S, IC-F80DT, IC-F80T, IC-F80DS, IC-F80S, IC-F3162, IC-F4162
07890S6		 ICOM	IC-F3G, IC-F3GS, IC-F4G, IC-F4GS, IC-F11, IC-F21, IC-F31, IC-F33, IC-41S
07890S13		 BENELEC Innovative Radio Technology	BL650
		 ICOM	IC-41W, IC-F3031S, IC-F3031S, IC-F4031S, IC-F3032S, IC-F4032S, IC-F3033S, IC-F4033S, IC-41PRO, IC-F3036S, IC-F4036S, GME TX6100, TX6150, TX6155
07890S14		 ICOM	IC-F9011, IC-F9023, IC-F4263, IC-F3260, IC-F4260, IC-F4263DS-H, IC-F3261DS, IC-F3262DT, IC-F3262DS, IC-F3263DT
07890S8			SRP9120, SRP9130, SRP9130 Plus
07890T2			TC700
07890Y4			VX-160, VX-180, VX-210, VX-210A, VX-410, VX-420, VX-426, VX-231, VX-351, VX-354
07890Y5			VX820/920 Series

H-Termination Audio Accessories

w/ Integrated PTT



Speaker Mics



Medium Duty (IP54)
07812H



Antenna Socket Mic (IP54)
07814H

Headsets



**Single Wire
Surveillance Kit**
078211H



**Three Wire
Surveillance Kit**
078213H



**Single Wire
Flexible D Headset**
07832H



**Light Weight Headset with
In-Line PTT**
07844H



**Light Weight
Ear Hook**
07833H



Professional H-Termination Audio Accessories w/ PTT Options

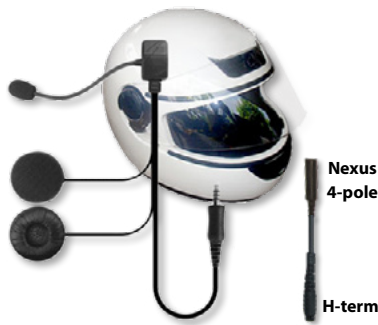


1

Select Audio
Accessory



**Skull Mic
Headset**
07847H



**Helmet
Headset Kit**
07843H



**Throat Mic
Headset**
07841H

2

Select PTT
Option

Cabled PTT



07840H

OR

Cabled + Wireless PTT



07840WXX

Choose from below

Wireless PTT Radio Options

M4	Motorola GP328 + Benelec BL800
M5	Motorola GP328 + Simoco SRP 9170
M3	Motorola XTS5000
T1	Tait 8100 Series
K2	Kenwood 2Pin
S5	Icom Multipin
Y5	Vertex VX820/920

Eg. 07840WM3 (pictured)

3

Select Radio
H-Termination

eg.



07890M3



07890M5

(see pg.4 for full list)

High Noise Headset w/ Integrated PTT on Shell



**Benelec
High Noise Headset
(Headband)**

078511BH



Features

- H-termination connection to communication radios
- 30dB noise attenuation
- PTT on shells
- Optimised acoustic design, the spacial ear cups offer great sound quality and comfort.
- Electret noise-cancelling speech microphone with effective noise compensation for clear and reliable communication
- Quick positioning boom mic for easy handling

**PELTOR™
3M**



**Peltor CH-3 FLX2 High Noise Headset
(Headband)**

078511HH

Peltor - MT74H52A-111



**Peltor High Noise Headset
(Neckband)**

078511NH

Peltor - MT74H52B-111



**Peltor High Noise Headset
(Hard Hat Attach)**

078511SH

Peltor - MT74H52P3E-111

**David
Clark**



**David Clark
High Noise Headset
(Headband)**

078511DHH



**David Clark
High Noise Headset
(Neckband)**

078511DNH



**David Clark
High Noise Headset
(Hard Hat Attach)**

078511DSH

Audio Accessories Terminated For Radio Use



Speaker Microphones - Direct Termination



Light Duty (IP54)
07810XX

Termination Options:

07810E4
07810K1
07810M1
07810S1
07810S2
07810S6
07810T1
07810Y4



Noise Cancellation Speaker Mike
07816M7

Suitable 3.5mm Listen-only kits available on page 17

IP67 Submersible Speaker Microphones



Submersible Speaker Microphone
07814XX

Termination Options:

07814B2 07814M5
07814E4 07814M7
07814M3 07814T1
07814M4 07814S13

Duress Button



Submersible Duress Speaker Microphone
07814DXX

Termination Options:

07814DB2
07814DM3
07814DM7



Rotating Clip



Listen Only Acoustic Ear Tube
07811S1

(for use /w 07814 speaker mics)

Other terminations available upon request (refer to pages 50 - 52)

Universal Covert Base Unit

For Motorola XTS Series Portables

The Benelec 078484WM3 is a covert inductive system complete with wireless PTT for use with 07848 wireless earpieces in a covert surveillance role. The base unit comprises of a radio specific connector, a wireless receiver module (with in-built PTT), a wireless Keyfob PTT and Lemo plug for attachment of TRX inductors.

- Choice of inductive neckloop, flat-pack or flexible inductors are available with built in microphone and Lemo connector to attach to CBU, providing field plug and play options.
- The covert car key PTT provides PTT and Tones as standard – alternative programmable options available for some radios.

Specifications

- Weight: 150g
- Cable length:
 - Connector - Transition Module: Radio specific
 - Transition Module - Lemo: 150mm
 - Loop Inductor - Lemo: 150mm
 - Flatpack Inductor - Lemo: 300mm
 - Flex Inductor - Lemo: 300mm
- Connector: Radio specific
- Colour: Beige only

Interchangeable Inductive Receiver Options

Inductive Flatpack

078481L



(Savox TRX/PACK)

Inductive Neckloop

078482L



(Savox TRX/LOOP)

Flexible Inductor

078483L



(Savox TRX/FLEX)

Subminiature Wireless Earpiece

07848



(Savox RCR-6)

Universal Covert Base Unit

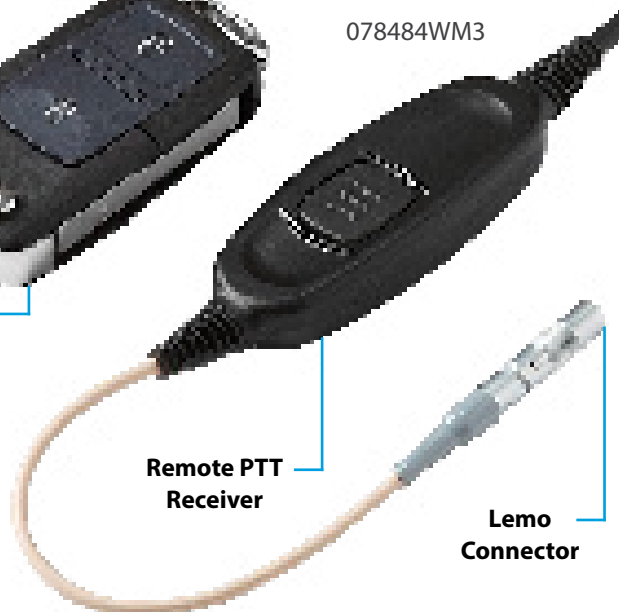
078484WM3

Wireless
Covert PTT



Remote PTT
Receiver

Lemo
Connector



This solution can be developed for other brands and models on request

Covert Wireless Headset

For Motorola XTS Series Portables

07848 Subminiature Wireless Earpiece

The Benelec 07848 is a squelched covert wireless earpiece for use in a covert surveillance environment.

Features

- Digital Wireless Earpiece
- Squelch - Reduces Interference
- Automatic Gain Control
- Low Battery Indicator

Specifications

- Weight: 1.2g (including battery)
- Typical Battery Life: >100 hours
- Output SPL: 100 dB
- Colour: Brown or Beige



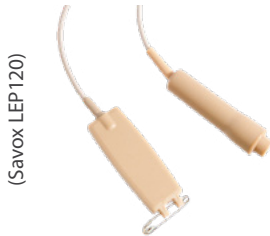
(Savox RCR-6)

Actual Size

Inductive Receiver Options

Inductive Flatpack

078481M3



Inductive Neckloop

078482M3



Flexible Inductor

078483M3



Features

- Inductive flatpack with built-in microphone
- Separate barrel style PTT
- Can be upgraded to provide tone generation for use in place of speech

Features

- Inductive neckloop with built-in microphone
- Separate barrel style PTT
- Can be upgraded to provide tone generation for use in place of speech

Features

- Flexible receive-only inductor
- Supplied with mesh cloth cover

This solution can be developed for other radio brands and models on request

iPhone Surveillance Kit

For Benelec BLP and Relm KNG Portables

07822B2 - B2 Termination with Finger PTT

Features

- Covert Surveillance Kit for iPhone-style earbuds with mic. (not included)
- 3.5mm audio jack suitable for other 3.5mm earbud or headset use.
- Suitable for Benelec BLP and Relm KNG series radios.
- IP54 rated.



This solution can be developed for other radio brands and models on request

Audio Accessories

B2 and SMA Plugs

07817B2 Multi-use Noise-Cancelling Speaker Microphone

Features

- DSP noise-cancelling circuitry
- Designed for Benelec BLP series and Relm KNG series portable radios
- Available for other radios upon request
- Speaker doubles as an easily accessible PTT button on the front of the microphone. Great for use with heavy gloves
- IP55 Rated - Rugged construction for demanding and harsh environments
- Integrated orange duress button
- Intergrated volume control button

Socket Options

3.5mm
audio jack



Noise-Cancelling
Speaker Mic with
3.5mm socket

078171B2

M12 to 3.5mm socket

078931M12



M12 to 3.5mm socket with strain-
relief wings

078932M12



Covert Mic Headset

078214M12

speaker earpiece

microphone

clip

Flexible D
Headset

07832M12

(listen only)

Ear Bone Mic
Headset

07862M12

(mic and speaker
integrated)

Noise
cancelling
control

PTT
Button

Volume
control

Duress
button

Secure
Bayonet
M12 socket

Speaker
and PTT



Audio Accessories

Direct Terminated For Radio Use

Headsets



**Single Wire
Surveillance Kit**

078211X

**Termination
Options:**

078211E4
078211K1
078211M4
078211M7
078211S6

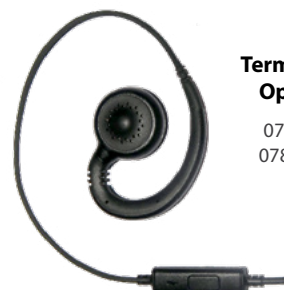


**Single Wire
Flexible D**

07832X

**Termination
Options:**

07832E4
07832K1
07832K7
07832M4
07832M7
07832S6
07832Y4



**Earpiece Headset with
mini Mic & In-Line PTT**

07834X

**Termination
Options:**

07834K1
07834S13



**Light Weight
Ear Hook**

07833X

**Termination
Options:**

07833E4
07833K1
07833M4
07833M5
07833M7
07833S6



**Lightweight Headset with
in-line PTT**

07844X

**Termination
Options:**

07844S12
07844S13
07844Y4

Stock lines - other terminations available upon request (refer to p25)

Listen Only



**Acoustic Tube
M2 Terminated**

07811LM2



**Acoustic Tube
3.5mm Terminated**

07811



**Listen Only
Acoustic Ear Tube**

07811S1

(for use /w 07814 speaker mics)



**CH-3 Listen Only
3.5mm Headset
Headband**

078516H
HT52A-112



**CH-3 Listen Only
3.5mm Headset
Neckband**

078516H01
HT52B-112

Passive Smart Hearing Protection

Ideal use w/ Benelec Bone Conduction Headset



3M Combat Arms Earplug

078602S Small (NSN #: 6515-01-576-8837)

078602R Regular (NSN#: 6515-01-576-8861)

078602L Large (NSN#: 6515-01-576-8869)

3M Combat Arms Earplugs (CAE) meet the demanding hearing protection needs of the police and armed forces. In the Open/Weapons Fire mode, CAE allows greater situational awareness than a common foam earplug yet helps attenuate dangerous peak levels with a filter element that reacts quickly to provide increased protection. In the Closed/Constant Protection mode, CAE protects against high-level steady noises like those in tracked vehicles and air transport. The corded version of the Combat Arms utilizes a new finger-touch rocker cover that can be operated while the earplug is in the ear.

Mode 1 - Continuous Blockout Only (30dB Attn.)

Mode 2 - Impulse Blockout Only

Optional Accessories



07890B2M
Motorola 6-pin
Hirose adapter for
Benelec BLP and
Relm KNG series



07890M3M
Motorola 6-pin
Hirose adapter
for Motorola
XT55000 series



07890M7M
Motorola 6-pin
Hirose adapter
for Motorola
APX6000 series



07821B
Ear bud kit. Large
and small sizes
are included.



07821M
Silicon ear mould kit. Small,
Medium and Large pairs
included. Long-term comfort
and full situational awareness.



07821Q
Quick disconnect for
acoustic ear tubes.



07821U
High noise, reusable, ultra fit ear
plug set. To suit Benelec acoustic
tubes. 30dB noise attenuating.



07821T
Replacement acoustic
ear tube with ear buds.



07821P
Protective pouch.
Belt loop on back.
(Dimensions: 17cm X 13cm)



0785331
Soft, reusable
earbuds.



07833F
Replacement foam
(1pc) for 07833 headset.



07860M50
Benelec Hi-Noise Headset Case
(Dimensions: 17cm X 18cm X 11cm)

Wireless Portable Radio Accessories

Connection Without the Restriction of Wires

Features

- Bluetooth® 2.0 Compatible
- Large 10m Range
- Operates Mobile Phone & Radio Adaptors
- 128bit Encryption Link
- Suitable for Peltor Headsets

Wireless Radio Adaptors



Benelec BLP P25 / Relm KNG Portables

07892B2



Motorola DP3600 / MTP850

07892M7



Motorola DP2000 / XPR3000

07892M14



Motorola GP328 / GP340

07892M4



M12 Socket

M12 Socket



Wireless PTT

07840B

- Dark Mode (LEDs Off)
- IP55 Rating



Wireless Speaker Mic

07817B

- Dual PTT Buttons
- IP56 Rating



USB 5v AC Power Supply
with US & AU
Interchangeable plugs
091214290

*NB: Both items supplied with
USB US & AU AC Power
Adapter and cable for charging*

Radio Wireless Adaptor

APX Bluetooth Dongle

PTT / Pairing



078921M7

Features

- Bluetooth Dongle Adapter for APX Radio
- One-time pairing with wireless headset/ accessory
- Optional wireless PTT
- No extra power is needed using - using radio power source

Specifications

Temp: -20C

Approx. Weight: 30g

Fully Qualified Bluetooth v5.0

Support AES-128

Echo cancellation and noise reduction

No battery

PTT function: built-in

Talk Range: Bluetooth class 2, 10 meters

Display LED: Blue

TX Current: 16 mA (Average)

Bluetooth Wireless PTT

Features

- 2.4GHZ transceiver
- -93dbm sensitivity in Bluetooth low energy mode v4.0
- TX Power -20 to +4dbm
- Memory
- Supply voltage range 1.8V to 3.6V
- AES HW encryption
- CR2032 battery for 1-2 years life time



078922

OPENCOMM Headset

078604A Bone Conduction Stereo Bluetooth Headset



OpenComm is the first AfterShokz Bluetooth headset designed specifically for communications. Engineered with patented 7th generation bone conduction technology and featuring our signature open-ear design (nothing inside or over your ear), OpenComm enables clear communication through the DSP noise-cancelling boom microphone and helps you stay connected to your surroundings while you're on the road, on a jobsite, or at your desk.



Multi-Device Pairing



Noise - Cancelling Boom Mic & DSP Circuit



Open - Ear Comfort



16 Hours of Talk Time



Quick Charge



Ultra Light & Comfortable Long Term



One Size Fits All



IP55 Water-Resistant

Repels dust, sweat and moisture for added durability



Bluetooth 5.0 with NFC Pairing

Strong, reliable connectivity up to 10 meters

OPENCOMM Headset

078604A Bone Conduction Stereo Bluetooth Headset

Open-Ear Comfort

OpenComm features a lightweight, flexible frame and bud-free design with nothing inside or over your ears, for unrivaled, all-day comfort. The open-ear design of this compact wireless headset follows the curve of your ear and allows for improved communication and situational awareness in the workplace, regardless of noise level.

Awareness + Connection

Engineered with 7th generation patented bone conduction technology, our top-selling headset delivers professional audio and helps you stay connected while you're on the road, at the jobsite, or at your desk. Designed to leave your ears open and maximize hands-free communication, the OpenComm headset allows you to stay connected with unmatched awareness and outstanding call quality while working in a transportation, business, or industrial setting.

Noise-Canceling Boom Microphone

The adjustable DSP noise-canceling boom microphone eliminates background noise in a variety of workplace settings for clear communication in loud environments when positioned near the mouth. As a result, OpenComm delivers premium sound quality coupled with clear audio transmission to ensure that conversations are at their most collaborative, making it the best headset for work, virtual meetings, conference calls, or commercial use.

16 Hours of Talk Time

Our efficient, high-powered battery comes with up to 16 hours of talk time or 8 hours of listen time on a single charge to offer all-day communication and connection from your desk, worksite, or long commute. OpenComm also utilizes a Quick Charge feature; simply plug your headset into its magnetic induction charger for 5 minutes to get up to 2 hours of talk time.

Easy Controls

Our signature multifunction button is designed for easily accessible controls to play, pause, skip, activate voice assistant, answer calls, and more with just a couple taps of your finger. OpenComm is also engineered for NFC (Near Field Communication) and multipoint pairing; Bluetooth pairing with an NFC compatible device, or connection to two devices at the same time.

What's in the Box

- AfterShokz OpenComm Stereo Bluetooth Headset
- (1) Magnetic Induction Charger USB Cable
- Carrying Case
- Instructions for Use



Specifications

Back-a-track	Yes	Command Controls	Yes
Battery type	Lithium Battery	Compatible Profiles	A2DP, AVRCP, HSP, HFP
Charger	Magnetic Induction Cable	Mic Sensitivity	-38dB ± 3dB
Compatible Codecs	SBD	Multi-Point Pairing	Yes
Frequency Response	20 Hz ~ 20 KHz	Sensitivity	96 ± 3dB
Microphone	DSP Noise-Cancelling Boom Mic	Titanium Band	Full-Wraparound
Moisture Detector	Yes	Type	Bluetooth 5.0
Standby Time	Up to 14 Days	Water Resistance	IP55 (Water-resistant)
Titanium Frame	Full-Wraparound	Wireless Range	10 meters
Warranty	2 Years	Packaging (Individual)	170 mm x 135 mm x 170 mm G.W.: 0.44 kg
Weight	33 grams	Packaging (4 Pack)	285 mm x 140 mm x 175 mm G.W.: 1.87 kg
Battery Life	16 Hours of talk time		
Charge Time	1 Hour		

Wireless High-Noise Headsets

With Integrated PTT

BENELEC
Innovative Radio Technology

**Benelec
High-Noise Headset
(Headband)**
078522H

David Clark

**David Clark
High-Noise Headset
(Headband)**
078523H

David Clark

**David Clark
High-Noise Headset
(Neckband)**
078523N

Features

- Wireless connection to communication radios.
- Compatible with Bluetooth® technology.
- The headset and radio can be up to 10 metres apart and out of visible range without losing contact.
- Volume and answer button on the shell.
- High-attenuating shells with optimised acoustic design, spacial ear cups, offer great sound quality and comfort.
- Electret speech microphone with effective noise compensation for clear and reliable communication.
- Quick Positioning boom microphone for easy handling.

Features

- Rugged, marine grade hardware
- M-55 electret microphone for enhanced noise cancelling
- Full flex boom for precise microphone placement
- Bluetooth® 4.0
- RoHS Compliant
- One-year warranty
- FCC Approved
- Range = 10M or approx. 30 feet
- Battery life = 140 hours standby or 80 hours active talk/listen/streaming time
- USB Charging cord and wall wart included

Wireless High-Noise Headsets

Noise cancelling and situational awareness



**Peltor
WS Headset Bluetooth®
Head Band**

078521H
Peltor - MRX21A3WS6-AZ

3M™ Peltor™ WS™ Alert™ XPI Headset

This Peltor wireless solution uses the latest Bluetooth® technology to make communication in noisy environments easier and more effective.

You can always be available – fast, easily and wirelessly. Gone are the problems of the snagging cord. You can use your telephone or communication radio even when they're not in sight. Peltor Wireless Solutions™ isn't just about headsets, it also includes adaptors for communication headsets that don't have built-in Bluetooth®.

The 3M™ PELTOR™ WS™ ALERT™ XPI Headset is the next generation protective communication solution. With Bluetooth® wireless communication, noise-cancelling boom microphone, integrated FM Radio and leveldependent function for ambient listening, the WS™ ALERT™ XPI Headset not only helps protect you against hazardous noise, but also makes it easy to make phone calls with both hands free in noisy environments.

Features

- High attenuating hearing protector in two models: standalone headband or safety helmet attachment
- Bluetooth® MultiPoint Technology for connection to one or two external devices for hands-free talk and streaming Noise cancelling boom microphone for clear speech transmission in noisy environments
- Level-dependent function for ambient listening to help improve your situational awareness (limited to 82dB)
- Push-to-Listen feature to easily and instantaneously listen to your surroundings
- Built-in FM-Radio with radio volume limited to 82dB
- Voice guided menu system with announced FM-Radio frequencies
- Digital station search
- Ability to store up to 4 favourite stations
- Auto power off: The headset will turn off after 4 hrs of non-use to save battery
- Connectivity to Mobile App - Helps you to set up and navigate your headset via the 3M Connected Equipment Mobile App
- E-A-Rfit Testable

Fire RSM

Headsets



Rugged Light Single Ear Headset

0784234X1



Rugged Light Dual Ear Headset

0784235X1



Hi-Noise Hearing Protection Headset

078511HX1

Features

- Noise Cancelling Electret Microphones
- Stainless Spring Strain Relief
- Clear audio in difficult environments



Benelec Fire Mic M7

07816M7



Savox Fire Mic M7

07818M7
(available from Benelec)



Motorola Fire Mic M7

PMMN4102BGRN



MSA Fire Mic M7

10163388



Fire PTT

078405M7

Features

- Front and Side PTT
- Nexus 4 pole plug
- Ultra Rugged
- Noise Cancellation circuitry
- Additional 3.5mm audio socket
- M7 Termination to suit Motorola APX series portables

Fire RSM - Breathing Apparatus

Headsets



**Dual pickup throat mike
with removeable Flexible D Speaker**

07841N



**Bone conduction Skull Mike
with side speaker**

078471



Benelec Fire Mic M7

07816M7



Savox Fire Mic M7

07818M7
(available from Benelec)



Motorola Fire Mic M7

PMMN4102BGRN



MSA Fire Mic M7

10163388



Fire PTT

078405M7

Features

- Front and Side PTT
- Nexus 4 pole plug
- Ultra Rugged
- Noise Cancellation circuitry
- Additional 3.5mm audio socket
- M7 Termination to suit Motorola APX series portables

D.R.A.I.

Dual Radio Audio Interface

Metro Fire Appliance Audio System

The Benelec DRAI – Dual Radio Audio Interface solution was developed for the NSW Fire Brigade in Australia. It allows for Fire Fighters to control pump appliances from the rear of the vehicle and at the same time enable access to radio audio controls during an incident. Mobile radios are mounted inside the cabin of the vehicle. Due to the loud ambient noise generated by pumps, our system amplifies the audio providing clear workable radio reception despite the pump noise. Controls for power on and up and down volume are provided by the three button submersible microphones used at the rear of the vehicle. The same solution can be offered in a single radio configuration and can be interfaced to all brands and models of two-way radios. This current configuration is setup with Motorola XTL5000 and XTL2500 mobile radios. This remote audio system for vehicles is able to be customised to suit specific needs with the ability to modify or integrate additional components.

Key Features

- Dual remote audio RX + TX.
- 11W RMS audio output.
- Ultra rugged stainless steel enclosures.
- IP67 rated submersible speaker microphones.
- Remote on/off and volume controls on the microphone.



Features

- Single or Dual Radio Interface options
- Dual 11 W Amplified Audio Output at rear
- Balanced Audio between front and rear Amplifier
- Output Gain adjustable for both rear mikes
- IP68 rated Die cast housings for AMP and Radio Interface
- Rugged IP68 Stainless Steel housing for rear Speakers.
- Rugged IP68 rated Mil Spec connectors Mil-5015C
- IP68 Three button control Mike w/ integrated Speaker
- Internal + External ON / OFF control options
- Bright "Power On" LED in for each rear Audio Unit
- Remote power switching option, from Front or rear of vehicle (eg External panel control)
- Integrated Stainless Mike Parking Brackets
- Up to 16m cable between Front & rear of vehicle
- System Configurable for any brand/model of radio

Software Configurable Features

- Minimum Output Volume Level
- Volume Control steps (Default 64 x 1dB steps)
- Mike Speaker Levels
- Mike Speaker amplifier (On/Off)
- TOT – Time out timer
- LED Power Status indications
- Microphone input and output levels
- Power Down options (Contact Benelec for more details)
- Other options available

Technical Specifications

General

Input Voltage – Internal radio Interface unit	11.5 - 15.0 V
Current (Approx)	2.8 amp @ full power
DC Protection	Reverse Polarity & Over Voltage Protected
Audio Input from Radio	50mV RMS
Audio Output to Radio (TX Audio Level)	2000mV pp adjustable
Main Speaker Amplifier Output	2 x 11 watts RMS
Speaker Mike Output	2 x 500mW RMS
Frequency Response	300 Hz to 5000Hz
Insert Type	Electret
Control Buttons on Mike	System Power On/Off
	Volume Up
	Volume Down
	PTT

Speaker Box Housing

Size	150 x 150 x 85 mm
Weight	2.15 Kg
Speaker	8 Ohm 24 watt
LED	Super Bright 10 mm Red

DRAI Amplifier

Size	170 x 120 x 60 mm
Weight	685 grams

DRAI Radio Interface

Size	115 x 90 x 55 mm
Weight	420 grams



Mobile Radio Speakers

High Quality Mobile Radio Extension Speaker

08108B

4" x 4" Square 20W, 4Ω
5m cable, 3.5mm audio plug

081088

4" x 4" Square 20W, 8Ω
5m cable, 3.5mm audio plug

08108R

Radio Interface Cable termination for BLP/
KNG Mobile Radio



High Power 12W External
Speaker

IP55 Waterproof
3.5mm Audio plug

0620122

(MLS200-M10)

Mobile Radio Microphones



Mobile
Electret
Microphone
RJ45 Termination
07703



Mobile Dynamic
Microphone
600 Ω
RJ45 RFT Pinout
07703D



Submersible DRAI
Microphone with
800mm Cable
Volume Up/Down
Power Duress PTT
07704M2



Mobile
Dynamic
Fist Mic
(unterminated)
07702BK



Desk Console w/ touch screen PC intergrated
speaker and boom mike w/ PTT
514008



Desk Microphone
07120



Microphone Clip
07204

Mobile Radio Audio Handset

07110

Features

- Handset with Speaker and Microphone
- Mechanical & Magnetic Cradle (Included)
- Integrated hook switch
- Side PTT
- Side Up / Down Volume Integrated Controls
- Top Duress Button
- Audio Line Level Interface
- Configured for Benelec BLP and Relm KNG series mobile radios
- Can be configured for other models on request

Handset

Speaker

Mic

Duress Button

PTT

VOL +/-

Included Mechanical & Magnetic Cable

- Angle Adjustable Mounting Bracket included
- Heavy Duty Clip on the Cradle

Clip on Cradle

Hook Switch



Portable Radio Cases



**BC400/BL500
Nylon Belt Loop**
06107303



**BC400/BL500 Leather
Security Swivel**
06107301











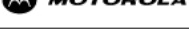



**XTS5000 Nylon
Security Swivel**
06107387



**XTS5000 Leather
Security Swivel**
06107385



**BLP/XTS Security
Universal Heavy-duty Nylon Case**
06107307N

Part #	Radio Brand	Supported Models	Description
06107301	 BENELEC <small>Innovative Radio Technology</small>	BC400/BL500	Leather security swivel case /w window
06107303	 BENELEC <small>Innovative Radio Technology</small>	BC400/BL500	Nylon belt loop case /w window, water resistant
0610752	 BENELEC <small>Innovative Radio Technology</small>	BL800	Leather security swivel case
06107307	 BENELEC <small>Innovative Radio Technology</small>	BLP400A	Leather security swivel case, full key
06107308	 BENELEC <small>Innovative Radio Technology</small>	BLP400B	Leather security swivel case, 4 key
06107381	 MOTOROLA	XTS2500	Leather security swivel case /w window + swivel belt clip
06107383	 MOTOROLA	XTS2500	Nylon IP65 security swivel case /w window + swivel belt clip
06107385	 MOTOROLA	XTS5000	Leather security swivel case /w window + swivel belt clip
06107387	 MOTOROLA	XTS5000	Nylon IP65 security swivel case /w window + swivel belt clip
0610737	 Vertex Standard	VX420/426	Leather security swivel case /w window
0610739	 Vertex Standard	VX824/829	Leather security swivel case /w window
0610734	 Vertex Standard	VX820	Nylon security swivel case, water resistant

Variations on design, brand and model are available on request

PAQUA IP67 Waterproof Packs

Rugged Protection for Radios & Accessories

Features

- Keep valuables and electronic equipment safe and dry – in, on and out of the water
- A strong foundation in the professional market – surf search & rescue, ski rescue, lifeguard & extreme sports industries
- Designed by active sports people with members of elite search & rescue teams
- Professional products adapted for recreational use
- Accredited supplier to Surf Lifesaving Australia (SLSA) and APOLA (Australian Professional Ocean Lifeguard Association)
- Preferred supplier to a myriad of search & rescue organisations throughout the world
- Dependable 'tri-fold' sealing method, incorporating our unique 'air-lock' (patent pending) system
- Highly-evolved body-attachment methods
- Military-specification materials and clips
- High UV and salt-water resistance
- All designs are comprehensively 'rough-tested' in the field prior to production
- Diverse and extreme testing platforms
- World-wide replacement warranty

0610761 PAQUA Clear Chestworn Radio Enclosure

size~ 300 x 120mm (Internal 280 x 100mm)

- Suitable for all brands of large-sized radios
- See-thru and voice permeable material
- External easy-access pockets x 2
- Internal mobile phone / cash / card pouch
- Fully adjustable neoprene waist / shoulder straps
- Tear-resistant TPU external skin / fully seam sealed
- Ultra-tough clips
- Fully waterproof and IP67 submersible
- Legendary tri-fold water-tight closure
- Floatable



0610762 PAQUA Mobile Large Arm Band Radio Enclosure

size~ 230 x 115mm (Internal 170 x 90mm)

- Suitable for all brands of medium-sized radios
- See-thru and voice permeable material
- Additional reflective safety strap
- Tear-resistant TPU external skin / fully seam sealed
- Ultra-tough clips
- Fully waterproof and IP67 submersible
- Legendary tri-fold water-tight closure
- Floatable



0610763 PAQUA Midi Smaller Arm Band Radio Enclosure

size~ 200 x 100mm (Internal 125 x 80mm)

- Suitable for mobile phones & smaller radios
- See-thru and voice permeable material
- Additional reflective safety strips
- Tear-resistant TPU external skin / fully seam sealed
- Ultra-tough clips
- Fully waterproof and IP67 submersible
- Legendary tri-fold water-tight closure
- Floatable



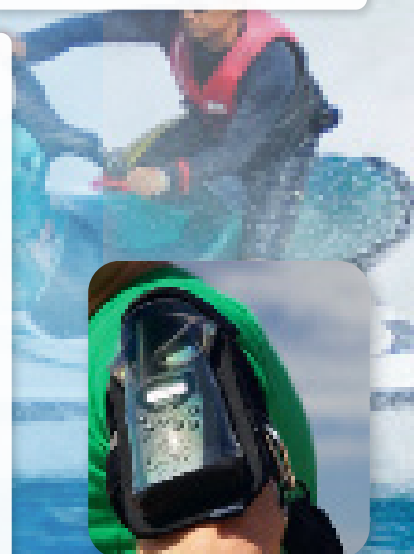
0610764 PAQUA Key Enclosure

size~ 130 x 85mm
(Internal 100 x 65mm)



PAQUA

- Suitable for Key fobs & Keys
- See-Thru screen
- Additional reflective safety strips
- Tear-resistant TPU external skin / fully seam sealed
- Ultra-tough clips
- Fully waterproof and IP67 submersible
- Strap onto limb or remove straps for pocket
- Legendary tri-fold water-tight closure
- Floatable



» As Seen on:



» Accredited Supplier to:



Universal Intelli Smart Chargers

Intelligent Battery Management Solution



Features

- Rapid charging technology
- Backlit, two line LCD display
- Battery calibration and adaptive reconditioning
- Interchangeable insert cup system allows compatibility with all major radio brands and models
- Multi-chemistry battery compatibility
- Supports IMPRES™* batteries
- Supports non-Intelli batteries
- Powered by wide range AC inputs (110 – 240v AC) or wide range DC inputs (14 – 24v DC)
- Automatic detection of battery voltage and applies the correct 11.1v or 7.4v DC charge modes
- Radio can be used in receive mode while in charger

Intelli Technology

Intelli uses a unique communications protocol to facilitate adaptive reconditioning. The intelligent charger evaluates the details of the battery's usage pattern to determine the optimal reconditioning interval. This technology provides a substantial difference on the performance of the radios and how frequently they need to be charged.

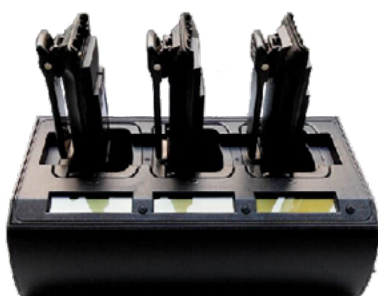
While there is an initial investment of purchasing batteries and chargers with Intelli technology, it will pay for itself and provide more savings in the long run. Through Intelli Smart reconditioning, the Intelli batteries will be able to be charged many more times and last much longer than regular batteries. This reduces the need to replace batteries and purchase back up batteries. Overall, fewer batteries are required throughout the lifetime of a radio, providing savings as well as the increase in performance and reliability of the radio.

**IMPRES™ is a trademark of Motorola Solutions*



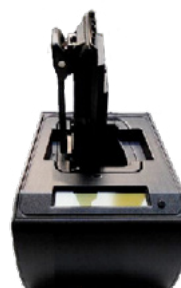
Intelli Six Bay Charger
094600

(Requires x6 cup selection)



Intelli Three Bay Charger
094300

(Requires x3 cup selection)



Intelli Single Bay Charger
094100

(Requires x1 cup selection)

Universal Intelli Smart Chargers

Intelligent Battery Management Solution

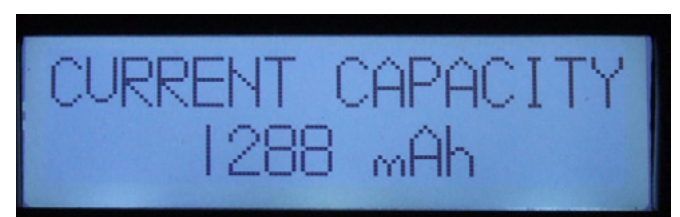
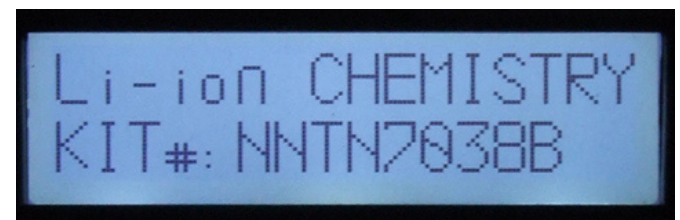
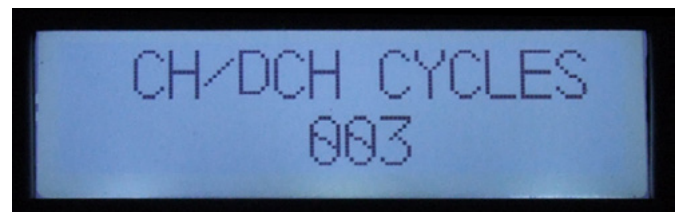
The Intelli Smart chargers are rapid chargers that provide a multi-function intelligent battery charging solution. The chargers have adaptive reconditioning capability which optimises the cycle life of the battery to maximise talk time. Each of the charger's charging slots is capable of monitoring and charging batteries independently. Each slot includes an integrated backlit two line LCD screen that displays a broad range of battery charging data as well as the battery's specification details. Additionally, charging status indicator lights visibly indicate battery status and charging process. All these advanced features are easily accessible, as all that is required from the user is to insert the battery or radio with battery attached. It's as simple as insert, detect and charge.

LCD Display Information

- Battery ID type (INTELLI or non-INTELLI battery).
- Current battery status such as charging, discharging, calibration, etc.
- Battery capacity (rated capacity and current capacity).
- Battery voltage while charging and at completion of charge.
- The battery's unique serial number, part number, chemistry and date of manufacture.
- Battery charge and discharge cycles, service life and current battery temperature.




















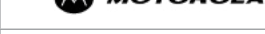











LCD Display examples:



**IMPRES™ is a trademark of Motorola Solutions*

Universal Intelli Charger Cup Options

Part Number	Brand Supported	Radio Models Supported
094C0B02	 BENELEC Innovative Radio Technology	BLP Series Portables
		Relm KNG Series Portables
094C0I01		Icom BP209, BP210
094C0I02		Icom BP227
094C0I03		Icom BP264, BP265
094C0I04		Icom BP195, BP196
094C0I05		Icom BP232, BP231
094C0K01		Kenwood KNB15, KNB17
094C0K02		Kenwood KNB33L
094C0K03		Kenwood KNB45L
094C0K04		Kenwood KNB25, KNB26, KNB35L
094C0K05		Kenwood KNB29
094C0M01		Motorola CP150 CP040 CP200
094C0M02		Motorola GP300, GP88, GTX
094C0M03		Motorola XTS2500, XTS3000, XTS5000
		EF Johnsson XTS3000, XTS5000
094C0M04		Motorola GP328 GP340 GP380
094C0M05		Motorola GP2000
094C0M06		Motorola MTP700 MTP750
094C0M07		Motorola MTP850
094C0M08		Motorola MTP850 dual
094C0M09		Motorola APX7000
094C0M10		Motorola TRBO, PMNN4066, PMNN4409, APX4000
094C0T01		Tait Orca 5010/5020/5030/5035/5040, TOPB200
094C0V01		Vertex FNB-V57 FNB-V83
094C0V02		Vertex FNB-V67
094C0V03		Vertex FNB-V95
094C0S01		Sepura SRP2000, SRP3000, SRP3500, SRH3800
094C0S02		Sepura STP8000, STP9000, STP9090

Universal Intelli Smart Charger Accessories



**Three Bay
Wall Bracket**
09430003W



**Six Bay
Wall Bracket**
09460003W



**Replacement
DC Cable**
094600061



**Single Bay
Vehicle Mount Kit**
0941000V



**Three Bay
Vehicle Mount Kit**
0943000V



**Six Bay
Vehicle Mount Kit**
0946000V



**3m Vehicle
Hard Wire Kit**
094600062

Intelli Smart Batteries



**Benelec Intelli
Smart Li-Ion
2300mAh battery**
06104521B

The 06104521B is an Intelli Li-Ion 2300mAh battery with smart charging capability to work with Intelli battery chargers. This battery can communicate with the charger in order to provide valuable details and information for the user via the two line LCD on the charger. It displays broad battery charging data as well as the battery's specification details. The battery details are stored within the circuitry of the battery.

- Rated Voltage: 11.1v
- Discharge: 8.25v
- Resistance: $\leq 200 \text{ m}\Omega$ (AC 1KHz)

**IMPRES™ is a trademark of Motorola Solutions*

Specifications

- Increase capacity at 2300mAh
- Japanese Li-Ion cells
- Protection:
 - Overcharge
 - Over discharge
 - Short circuit
 - Over circuit
 - Over temperature
- IP67 rated to suit the BLP & KNG series portable radios
- Compatible with Motorola IMPRES™ technologies
- Can be charged by non-Intelli chargers

Intelli Integration into any Battery

The Intelli Smart chargers are a multi-chemistry charger capable of charging: NiCd, NiMH, Li-ion and Li-Po chemistries. Upon request, the Intelli Smart technology can be integrated into any battery brand and model to allow any battery to be able to communicate with the Intelli charger series. The battery will include the modifications required to facilitate smart charging capability and battery details to work with Intelli Battery Chargers.

Portable Radio Power Accessories

• Gold plated contacts • 100% Japanese cells • 12 month warranty



0610417	Replacement Battery for Motorola KVL3000+
0610460B	Replacement Battery for GP328 NiMH 2300mAh
0610461B	Replacement Battery for GP300 NiMH 2300mAh
0610462B	Replacement Battery for XTS 3000 / 5000 NiMH 2700mAh
0610463B	Replacement Battery for XTS 3000 / 5000 NiMH 4000mAh
06104661B	Replacement Battery for APX6000 Impress2 2500mAh
06104662B	Replacement Battery for APX6000 Impress2 3100mAh
06104663B	Replacement Battery for APX6000 Impress2 3400mAh
06104664B	Replacement Battery for APX6000 Impress2 4600mAh
0610467B	Replacement Battery for MTP850 Li-Ion 2300mAh
0610469B	Belt Clip for Motorola XTS Batteries



0610411B	Replacement Battery for FNB-67Li Li-Ion 2500mAh for VX426/410/420/426
0610571B	Replacement Battery for FNB-83 NiMH 2300mAh for VX426/410/420/426/FT60/HX370
0610414B	Replacement Battery for FNB-87Li Li-Ion 2500mAh for VX820 series



06105101	Replacement Battery for Benelec Li-Ion 1800mAh for BC400/BL500/BL520
06104103	Replacement Battery for Benelec Li-Ion 2600mAh for BL650
061041031	Replacement Battery for Benelec Li-Ion Intelli 2600mAh for BL650
06104504	Replacement Battery for Benelec Li-Ion 1700mAh for BL800
06104520	Replacement Battery for Benelec Li-Ion 2300mAh for BLP400/450/600/650
06104522	Replacement Battery for Benelec Li-Ion 3600mAh for BLP400/450/600/650
06104520i	Replacement Battery for Benelec IS FM Li-Ion 2270mAh for BLP400/600/650
06104522i	Replacement Battery for Benelec IS FM Li-Ion 3600mAh for BLP400/600/650



06104701B	Replacement battery for Icom IC-F3/F3s/F4/F4s NiMH 2300mAh
06104703B	Replacement battery for Icom IC-F50/60 Li-Ion 1880mAh



06104705B	Replacement battery for Kenwood TK260/360/2100/3100 NiMH 2150mAh
06104707B	Replacement battery for Kenwood TK280/380480/390 NiMH 2150mAh
06104709B	Replacement battery for Kenwood TK2140/3140/2160/3160 NiMH 2150mAh

Other brands and models available on request



Included Mechanical & Magnetic Cable



JP to BNC
(Icom)
04361



**2.5mm threaded
to BNC socket**
(Motorola GP328)
04362



**SMA plug to
BNC socket**
(Vertex)
0400401



**SMA socket to
BNC socket**
(Benelec BL500)
0400402

Benelec Keyloader Solution Kit

Encryption Keyloader BKL5000
AES 256bit and DES-OFB Solution

Part number: 131350K

Features

- Direct replacement for Motorola™ KVL4000
- Able to keyload all P25 AES and DES platforms
- Incorporating authentication
- Able to profile and keyload radios
- Fully loaded with all software required
- Compact 11" Windows 10 Notebook
- Hard shell carry case for the complete kit
- Includes AC adapters
- Portable use via internal batteries
- FIPS 140-2 Certification will be obtained

Standard Kit Inclusions

- Benelec BKL5000 Device
- Windows 11" Notebook with AC Adaptors
- BKL5000 Hard Case with cut Insert Foam
- USB Type A-B Lead
- USB to Ethernet adaptor
- 1.5m Ethernet Cable



Hard Case with cut Insert Foam

06107387



Portable Repeater



Base Repeater

Optional Leads

- 131752B Authentication Cable – KNG/BLP Mobiles and Portables
- 131760B2 BLP/KNG Portable Key load Lead
- 131760B4 BLP/KNG Mobile Key load Lead
- 131750M Motorola APX Mobile Adaptor Key load Lead
- 131750M7 Motorola APX Portable Adaptor Key load Lead
- 131750M3 Motorola XTS Portable Adaptor Key load Lead



Supplied Software

- 1314501 Microsoft Windows 10
- 13143 REPKEY - RFT E2 Repeater Key Loader
- 13146 BKL5000 Terminal Key Loader (as per KVL4000)
- 131450 NEOVISION – BLP/KNG Profiling Software
- 131455 IP Commander – RFT E2 Profiling Software



Microsoft™ is a trademark of Microsoft Corporation
Motorola™ is a trademark of Motorola Solutions

Site Analyser

03126S SWR Site analyser

03126V VNA Site analyser

The all NEW Site Analysers are available in two models:
SWR Site Analyser with VSWR, Return Loss and FDR
(Frequency Domain Reflectometer) measurements.

VNA Site Analyser with full Vector Network Analyser
measurement suite S11 and S21 ports and FDR
(Frequency Domain Reflectometer) measurements.

Both models feature full colour backlit display with
excellent daylight readability. 50 memory slots for
saving plots to recall on the Site Analyser or upload to a
PC using Site Analyser PC Vision™ software (included).
They include NiMH batteries with 3 hours continuous
operation. Easy to navigate menus, user custom colour
settings and measurements plot displays. The VNA Site
Analyser has one-button revert to be just an SWR &
Return Loss meter if desired. This makes it flexible for
both the novice and engineer level person to use with
minimal training. PC communications is via USB-2 (cable
included).



Key Features

- Simultaneously view two separate plots with different scales
- Automatic internal calibration and self test
- Optional external calibration and Cable Null feature
- Large numeric display in CW mode
- 50 Memory slots for saved plots and setups
- Quarter VGA backlit colour display (user custom colours)
- Spectrum Analyser and Power Meter (VNA model only)
- Frequency Domain Reflectometer (FDR) for cable testing USB-2 PC Communications
- Site Analyser PC Vision software included

Specifications

Frequency Range:	100KHz to 1000MHz	Impedance Accuracy:	+/- 1 Ohm
Tuning/Display Resolution:	1KHz	Return Loss:	0 to 40dB
Refresh Rate:	2.5 times/second	Phase Angle Plotting Scales:	+/- 5 to +/- 180 degrees
Frequency Display:	250 points	Gain Formats (S21):	Log, Linear, phase
Impedance Range:	10 to 2000 Ohms, default 50	Gain Accuracy:	+/- 1dB
Impedance Plot Scales:	8 scales from 10 to 2K Ohms	FDR Range:	35 to >10Kft (10 to >3300m)
Impedance Formats (S11):	Resistance, Reactance, Z mag, Z angle, SWR, Return Loss, Gamma Magnitude and Gamma Angle	FDR Measurements:	DTF and end of cable
		FDR Accuracy:	2% of Scale
		Size:	216 x 109 x 57 mm
		Weight:	1Kg with batteries and belt case

Optional Accessories



Loads and OSL Kit



Soft Carry Case



Hard Carry Case

RF Test Equipment



0301
VSWR &
Power Meter
1.8 - 160MHz
140MHz - 525MHz



0303
Digital VSWR &
Power Meter
125 - 525MHz



03201
Frequency Counter
+CTCSS/DCS Decode
27MHz - 3GHz



03106
Antenna Analyser
0.5 - 60MHz



































03107
Antenna Analyser
132 - 173MHz
200 - 260MHz
400 - 519MHz



Portable Radio Audio Terminations

Suffix	Product Image	Radio Brand	Supported Radio Models
B1			DHP/GHP Series
B2			BLP400 Series, BLP600, BLP650
			KNG Series Portables
E1			HX400 Series
E4			BL500, BL520, BC400 Series
H1			Prism/ LPE-200
H2			MARK II
H3			Jaguar 700P, P5100, P7100...etc
H4			PD70x, PD78x series
H5			X1P, PD600, PD602, PD502
H6			XL-185P, XL-200P
K1			TK-208, 220, 240, 240D, 248, 250, 260, 260G, 270, 270G, 308, 320, 340, 340D, 348, 350, 353, 360, 360G, 370, 370G, 372G, 430, 431, TK-2100(Pro Talk), 2102(Pro Power), 2130(Pro Talk XLS), 2160, 3100(ProTalk), 3160, 3101(Free Talk XL), 3102(Pro Power), 3130(ProTalk XLS), 3131(Free Talk XLS)
K2			TK-190, TK-280, TK-380, TK-385, TK-390, TK-480, TK-481, TK-2140, TK-2180, TK3140, TK3148, TK-3180, TK-5210, TK-5400, TK-5310, NX200/300
M1			GP68, GP88, GP300, GP308, GP350, P040, P080, P110, P1225, P1225LS, P2000, CP88, CP125, CP150, CP200, CT150, CT250, CT450, CT450LS, PRO2150, PRO3150, BPR40, EP450, MTH500, GTX, SP50, LTS2000, PR400
M2			Thredded 3.5mm Plug
M3			5100, 7700 Series
			HT1000, MTX838, MTX1000, JT1000, MT2000, MTS2000, XTS3000/Astro, MTX, XTS3500, XTS5000, MT2000, MTS2000, XTS3000, GP900, MTX1000, XTS2500, MTX8000v

Suffix	Product Image	Radio Brand	Supported Radio Models
M4		 Innovative Radio Technology	BL800 Series
			HT750, HT1250LS, HT1550XLS, MTX850LS, MTX950, MTX8250LS, MTX9250, PRO5150, PRO7150, PRO9150, PRO5350, PRO5450, PRO5550, PRO5750, PRO7350, PRO7450, PRO7550, PRO7750, GP328, GP338, GP329, GP339, PTX700, PTX760, PTX780, GP320, GP140, GP340, GP360, GP640, GP680, GP1280
M5			SRP9170/SRP9180
			EX500, EX600, GL2000, PRO5150elite, PTX760plus, GP328plus, GP338plus, GP628plus, GP344, GP388
M7			Mototrbo, XPR6300 / 6500 / 6550, APX400 / 6000 / 7000
M8			DP2000, XPR3000
M9			MTH650, MTH800, MTH850
M12			WIRELESS PTT (NNTN 8191)
M13			SLIK, SL4000
S1			IC-F3, IC-F3S, IC-F4, IC-F4S, IC-F10, IC-F20, IC-H2IC-H6, IC-J12, IC-M5, IC-U12, IC-U16, IC-36FI, IC4088S, COBRA and RITRON Series
			SL25, SL55, SP-120/130/140
			UH040, UH042
			TX6000, TX7000, TX670
S2			SP120, SP130, SP140, SL25, SL55, SP300, SP310, SP320, SP330, SP340, SL55+
S3			IC-F3G, IC-F3GS, IC-G3GT, IC-F4G, IC-F4GS, ICF4GT, IC-F43GS, IC-F43GT, IC-F43TR, IC-F11, IC-F11S, IC-F21, IC-F21S, IC-F31
			TX6100
S5			IC-F30GT, IC-F40GT, IC-F50, IC-F51, IC-F60, IC-F61, IC-F30GS, IC-F40GS, IC-F41G, IC-F31G, M88, M87, IC-F70, IC-F80, IC-F3061, IC-F4061, IC-F70DT, IC-F70T, IC-F70DS, IC-F70S, IC-F80DT, IC-F80T, IC-F80DS, IC-F80S, IC-F3162, IC-F4162
S6			IC-F3G, IC-F3GS, IC-F4G, IC-F4GS, IC-F11, IC-F21, IC-F31, IC-F33, IC-41S
S8			SRP9120, SRP9130, SRP9130 Plus

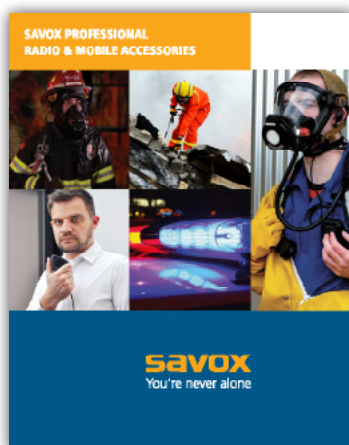
Suffix	Product Image	Radio Brand	Supported Radio Models
S13			BL650
			IC-41W, IC-F3031S, IC-F3031S, IC-F4031S, IC-F3032S, IC-F4032S, IC-F3033S, IC-F4033S, IC-F3036S, IC-F4036S, GME TX6100, TX6150, TX6155
S14			IC-F9011, IC-F9023, IC-F4263, IC-F3260, IC-F4260, IC-F4263DS-H, IC-F3261DS, IC-F3262DT, IC-F3262DS, IC-F3263DT
SP1			SRP2000, SRP3000, SRP3500, SRP3800
SP2			SRP2000, SRP3000, SRP3500, SRP3800
SP3			STP8000
T1			TP8110, TP8115, TP8120, TP8135, TP8140, TP7110
T2			TC700
			PD4, PD5
X1			7.3mm plug straight 4-pole
X2			7.3mm plug straight 5-pole
XF1			7.3mm plug straight 4-pole jack
XF2			7.3mm plug straight 5-pole jack
Y1			VX-10, VX-110, VX-160, VX-180, VX-210, VX-210A, VX-200, VX-300, VX-400, VX-150, VX-2R, VX-5R, FT-50, FT-60VXF-1, VX-410, VX-420, VX-426, VX-231, VX-351, VX-354
Y2			VX-600, VX-800, VX-900
Y4			VX-160, VX-180, VX-210, VX-210A, VX-410, VX-420, VX-426, VX-231, VX-351, VX-354
Y5			VX820/920 Series

Notes...

Benelec Radio Catalogue



Find Further Accessories Partner Catalogues



savox



David Clark



PELTOR
3M



Sydney HQ

17 Byrnes St, Botany 2019 NSW
Sydney Australia
reception@benelec.com.au
+61 2 8397 3333
+61 2 9700 1231

Queensland

Unit 6/11 Kenworth Place Brendale
4500 QLD Australia
reception@benelec.com.au
+61 7 3889 7711
+61 7 3889 6767

Western Australia

10 Ernest Clark Rd Canning Vale
6155 WA Australia
sales@benelecwa.com.au
+61 8 6253 8324
+61 8 9455 2137

Victoria

reception@benelec.com.au
+61 4 7788 2338

South Australia

reception@benelec.com.au
+61 4 0099 1170

Northern Territory

reception@benelec.com.au
+61 4 0099 1170

Follow us on Social Media:



benelec-pty-ltd



benelecau



BenelecPtyLtd