PARALLEL AUDIO®

HELIX SERIES®
PORTABLE PA SYSTEMS

WIRELESS MICROPHONE SYSTEMS

Artist
wireless audio system

PRODUCT GUIDE

PIIA.

INTRODUCING

PARALLEL AUDIO ®

A BRAND BY NAS SOLUTIONS

After 20 years in distribution partnership with Chiayo Electronics, NAS Solutions are excited to offer a new family of products to the Australian and New Zealand Markets.

Parallel Audio is a complete line of PA and wireless microphone systems developed in close partnership with a leading audio manufacturer.

Initial offerings include the Helix Series of PA systems and a range of wireless microphone products.

"Parallel Audio retains the quality and reliability we have had the pleasure to provide to our customers over the years and enables us to develop our current offering to an improved range of wireless and portable PA solutions," says James Piper, Operations Manager and Product Specialist at NAS Solutions. "We are also excited to expand our distribution of the Parallel Audio range of products into the New Zealand market. All Parallel Audio products will be completely backwards compatible with our previous brands and products."

PORTABLE PA AND WIRELESS MICROPHONE SYSTEMS

Schools | Fitness | Wedding Celebrants | Corporate Presentations | Hotels | Performance

AVAILABLE IN AUSTRALIA AND NEW ZEALAND

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HELIX SERIES®

PORTABLE PA SYSTEMS

HELIX 2510

MULTIFUNCTIONAL WIRELESS MIXER AMPLIFIER SYSTEM

Features

- Dual 250W Class-D power amplifiers built in.
- Built in 2-way 250 watt speaker system (10'' + 1'' HF).
- 250 watt active output for external 4~8Ω speaker.
- MIC 1 and 2 are XLR/6.3mm combo jack connectors for microphone and line inputs with individual volume control and a MIC/LINE level switch.
- LINE IN (XLR/6.3mm combo & 3.5mm jacks) with volume control.
- Up to 4 diversity receiver modules with 100 frequencies (optional).
- Scan and Sync button for quick and simple mic channel set-up.
- Built in Bluetooth receiver for music streaming.
- DIGITAL IN (USB 2.0) allows playing audio files directly from computer via USB cable.
- ACTIVE OUT (XLR jack) for multi-unit audio linking.
- SPEAKER OUT (6.3mm jack) for an external 8Ω passive speaker with volume control.
- REVERB with bypass, and volume control for wired and wireless microphones (switchable).
- VOICE PRIORITY function automatically ducks music during speech (switchable).
- 3-band equaliser (BASS / MIDDLE / TREBLE) for all audio inputs.
- Digital limiter prevents output distortion, with 6-step LED audio meter indicator.
- Smart charging circuit with 4-step LED battery indicators and charging LED.
- Storage compartment for 4 transmitters (handheld x 4 pcs or handheld x 2 pcs + beltpack x 2 pcs) and a switching power supply.
- User friendly battery compartment design for simple battery replacement.
- Integrated retractable handle and BIG wheels for easy portability.
- Tripod stand mountable with HX-ST.
- Up to 6 hours with Lead-Acid battery.
- 2 power modes: Internal Rechargeable battery & DC jack.

Specifications

Model	HELIX-2510
Onboard Class-D amplifier	Dual 250W Class-D power amplifiers
Maximum output power	Built in 2-way 250 watt speaker system. 250 watt active output for external 4~8ohm speaker.
Speaker system	10'' LF, 1'' HF and crossover
Sensitivity	Maximum 110dB
T.H.D.	< 0.5%
Frequency response	50Hz-20KHz±3dB
Audio inputs	MIC/LINE in x 2 (6.3mm/XLR COMBO) LINE IN x 2 (6.3mm/XLR COMBO, 3.5mm) Digital in (USB 2.0) Up to 4 wireless microphones
Audio output	ACTIVE OUT (XLR)
External speaker	8Ω (6.3mm), with volume control
Controls	EQUALISER, REVERB & VOICE PRIORITY on wired/wireless mics
Audio meter indicator	6 LED indicators
Power supply	Input: 100-240V AC / 30-32V DC, 4A
Battery type	Lead-Acid
Battery specifications	12V, 5A
Battery quantity	2
Battery Indicator	4 LED indicators
Operating time	5-6 hrs in music, >10 hrs in speech
Charging time	about 6 hrs
Storage	Handheld x 4 pcs or Handheld x 2 pcs + Belt-pack x 2pcs, and a switching power supply
Dimensions (mm)	550 (H) x 360 (W) x 340 (D)
Weight (kg)	18.7

* NOTE: The above specifications are subject to change without prior notice.

HELIX 1510X

MODULISED WIRELESS PORTABLE SOUND SYSTEM

Features

- High efficiency Class-D amplifier produces 120W RMS audio output (maximum music output 150W)
- All-In-One! Easy to operate in both indoors and outdoors.
- Comes with various types of new receiver, repeater, MP3 player and Bluetooth modules.
- Excellent aesthetic design built from a patented rugged aluminium enclosure.
- Rechargeable lead acid batteries eliminate all cables so you can take it anywhere!
- Smart charging circuit with LED indicator.
- Speaker system: 10'' full range coaxial speaker.
- Integrated preamplifier, mixer and amplifier circuitry.
- Anti-interference Pilotone circuitry delivers superior wireless reception.
- Repeater transmitter module in combination with HELIX-1510X slave speaker for extended operating distance.
- Voice Priority circuitry automatically ducks music during speech.
- Slave (HX-1510 PSR) can have 1 or 2 receiver modules installed allowing it to function as an independent PA system.
- Wired Audio Link: Several slave speakers can be linked through IN/OUT jacks to form a larger wired system.
- Wireless Audio Link: Repeater transmitter enables wireless link between HELIX-1510X master and slave speakers. A larger system of several slave speakers can be wirelessly linked using wireless built-in receiver/transmitter modules. No cables or wires at all!
- Integrated retractable handle and wheels for easy portability.
- Modules Available: CD/USB player, Digital video player/USB/SD player, Wireless Microphone Receiver, Repeater Transmitter, Bluetooth Receiver + Digital Player / Recorder.
- Tripod stand mountable with HX-ST (standard) / BOX1 (wind-up).
- Trolley Base (HX-TB50) for moving on rough surface.

Specifications

| Model	HELIX-1510X
Output power	150W (Max), 120W (RMS), 4Ω load (class-D)
Speaker system	10" full range
Audio input	Mic in (COMBO), Line in (R/L)
Audio output	Line out (R/L), Active out, External speaker
T.H.D.	< 0.5%
Frequency response	50Hz-20KHz±3dB
Antenna	Built-in
Power supply	90-260V AC, 24-32V DC/4A
External speaker	8Ω (6.3mm), with volume control
Battery type	Lead-Acid
Battery specifications	12V, 5A
Battery quantity	2
Operating time	5-6 hrs in music, >10 hrs in speech
Charging time	about 6 hrs
Dimensions (mm)	500 (H) x 350 (W) x 300 (D)
Weight (kg)	17.7

* NOTE: The above specifications are subject to change without prior notice.
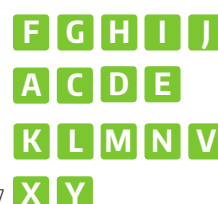
HELIX 208

MULTIFUNCTIONAL WIRELESS MIXER AMPLIFIER SYSTEM

(OPTIONAL)

Features

- Includes an Electronic Crossover and Class-D digital power amplifier delivering 100W to the LF driver and 50W to the HF driver; 150W of pure Class-D power.
- 2 power modes: Internal Rechargeable battery & DC jack.
- Up to 6 hours with Lead-Acid battery.
- User friendly battery compartment design for simple battery replacement.
- High efficiency 2-way system; compact cabinet and efficient 8'' + 1'' HF speaker for professional live performance.
- Optional CD/USB/SD/Digital video player modules (including remote control) and a digital recorder/player module.
- Up to 4 diversity receiver modules with 100 selectable frequencies in each system (optional).
- Automatic Digital limiter with 6 LED indicators prevents output distortion.
- 3-band equaliser, BASS/MID/TREBLE and MASTER volume control.
- VOICE PRIORITY function automatically ducks music during speech (switchable).
- LOUDNESS function boosts bass/treble performance (switchable).
- LINE OUT (RCA) for external audio recording.
- Multiple LINE IN options, 3.5mm jack/RCA, with individual volume controls (stereo).
- INSTRUMENT IN provides two 6.3mm jacks for up to two instrument level inputs.
- MICROPHONE 1 and 2 are XLR/6.3mm combo jack connectors for wired microphone inputs with individual volume control.
- BASS/TREBLE and REVERB control for wired microphones.
- REVERB with ON/OFF switch for wired and wireless microphone channels.
- DIGITAL IN allows playing audio files directly from computer via USB cable.
- ACTIVE IN and ACTIVE OUT (XLR) for multi-unit audio linking.
- Smart charging circuit with 4-step LED battery indicators and charging LED.
- Tripod stand mountable with HX-ST.

Specifications

Model	HELIX-208
Output power	200W, 150W (RMS) 4Ω load (class-D)
Speaker system	8'' LF + 1'' HF & electronic crossover
Audio input	Mic in x 2 (COMBO), Line in x 2 (R / L, 3.5mm), Instrument in x 2, Digital in (USB), Active in (XLR)
Audio output	Line out (R / L), Active out (XLR)
T.H.D.	< 0.5%
Frequency response	50Hz-20KHz±3dB
Antenna	Built-in
Power supply	100-240V AC / 30-32V DC, 4A
Battery type	Lead-Acid
Battery specifications	12V, 5Ah
Battery quantity	2
Battery Indicator	4 LED indicators
Operating time	5-6 hrs in music, >10 hrs in speech
Charging time	about 6 hrs
Dimensions (mm)	424 (H) x 290 (W) x 250 (D)
Weight (kg)	12.5

* **NOTE:** The above specifications are subject to change without prior notice.

HELIX 158X

MULTIFUNCTIONAL WIRELESS MIXER AMPLIFIER SYSTEM

Features

- Includes Class-D digital power amplifier delivering 100W to the internal 8'' full range speaker and 100W to an external speaker.
- 2 power modes: Internal Rechargeable battery & DC jack.
- Up to 6 hours with Lead-Acid battery.
- User friendly battery compartment design for simple battery replacement.
- High efficiency system; compact cabinet and efficient 8'' full range speaker for live performance.
- Optional CD/USB/SD/Digital video player modules (including remote control) and a digital recorder/player module.
- Up to 4 diversity receiver modules with 100/16 selectable frequencies in each system (optional).
- Automatic Digital limiter with 6 LED indicators prevents output distortion.
- 2-band equaliser, BASS/TREBLE and MASTER volume control.
- AUX OUT (6.3mm jack) for external audio recording.
- LINE IN (3.5mm jack) with individual volume control.
- MICROPHONE 1 and 2 are XLR/6.3mm combo jack connectors for wired microphone inputs with individual volume control and a MIC/LINE level switch.
- REVERB control for wired and wireless microphones.
- AUX OUT (6.3mm jack) and SPEAKER OUT (6.3mm jack) for external passive speakers.
- Smart charging circuit with 4-step LED battery indicators and charging LED.
- Tripod stand mountable with HX-ST.

Specifications

Model	HELIX-158X
Output power	150W, 100W (RMS) 4Ω load (class-D)
Speaker system	8'' full range
Audio input	Mic in x 2 (COMBO), Line in (3.5mm)
Audio output	Aux out, External speaker
T.H.D.	< 0.5%
Frequency response	50Hz-20KHz±3dB
Antenna	Built-in
Power supply	100-240V AC / 30-32V DC, 4A
Battery type	Lead-Acid
Battery specifications	12V, 5Ah
Battery quantity	2
Battery Indicator	4 LED indicators
Operating time	5-6 hrs in music, >10 hrs in speech
Charging time	about 6 hrs
Dimensions (mm)	424 (H) x 290 (W) x 250 (D)
Weight (kg)	10.8

* **NOTE:** The above specifications are subject to change without prior notice.

HELIX 765

LITHIUM WIRELESS PORTABLE SOUND SYSTEM

Features

- High efficiency Class-D amplifier produces MAX. 70W audio output (MAX. 140W with external speaker).
- All-in-one! Easy to operate in both indoors and outdoors.
- Portable amp system eliminates all cables so you can take it anywhere!
- Speaker system: 6 ½'' full range.
- Voice priority.
- Audio inputs: Mic in, Aux in.
- Audio outputs: Aux out, External speaker.
- Individual volume control for Mic in, Aux in, Bass, Treble.
- Up to 2 diversity receiver modules with 100 selectable frequencies in each.
- Optional devices: receiver/transmitter/Bluetooth receiver/Digital music player with recorder.
- Tripod stand mountable with HX-765 ST / Wall mountable with HX-765 WB.
- Optional carrying bag (HX-765 SB).
- Portable amplifier: HX-765 PSR.
- HELIX-765 speaker: HX-765 SP.

Specifications

Model	HELIX-765
Output power	MAX. 70W distortion <1% (Class-D) 4Ω load MAX. 140W with external speaker 4Ω load
Speaker system	6 ½'' full range
Audio input	Mic in, Aux in
Audio output	Aux out, External speaker
Antenna	Built-in
Power supply	100-240V AC / 18V DC, 2.7A
Battery type	Li-ion
Battery specifications	14.8V, 5.2Ah, 76.96Wh
Battery quantity	1
Stand-by time	23 hrs
Operating time	9-11 hrs in music, 17-20 hrs in speech
Charging time	8 hrs
Dimensions (mm)	313 (H) x 220 (W) x 215 (D)
Weight (kg)	3.8

* NOTE: The above specifications are subject to change without prior notice.

HELIX mini

PERSONAL BELTPACK AMPLIFIER SYSTEM

Features

- Compact, lightweight, loud and mobile. Suitable for indoor/outdoor applications.
- Built-in charging circuitry enables simultaneous charging and operating.
- High efficiency Class-D amplifier produces max. 10W output.
- Speaker system: 3 ¼'' full-range.
- Tone control.
- LED indicates low battery power.
- Can be worn around the waist or over the shoulder.
- Up to 8~10 hours of vocal operation per charge.
- Choice of lapel or headset microphone. Completely hands free!
- Ø3.5mm Input jack for Mic/Line input, as well as multimedia player and PC presentation.
- Speaker pouch for easy carrying.

Specifications

Model	HELIX-mini
Output power	10W, 5W(RMS) 4Ω load (class-D)
Speaker system	3 ¼'' full range
Audio input	Mic / Line in
T.H.D.	< 0.5%
Frequency response	50Hz-16KHz±3dB
Power supply	00-240V AC / 12V DC, 1A
Battery specifications	NiMH (1.2V, 2.5A) x 4 pcs
Operating time	4 hrs in music, 8-10 hrs in speech
Charging time	about 6-8 hrs
Dimensions (mm)	105 (H) x 115 (W) x 195 (D)
Weight (kg)	0.65

* **NOTE:** The above specifications are subject to change without prior notice.

MODERN FAMILY.

HELIX SERIES

PROFESSIONAL WIRELESS PA SYSTEMS

HX-2510 · HX-1510X · HX-208 · HX-158X · HX-765 · HX-MINI

The HELIX Series Wireless Portable PA Systems from Parallel Audio provide the ultimate solution in portable, wireless sound reinforcement for presentation and performance applications.

The HELIX Series' all-in-one design includes rechargeable batteries which allows every model in the range to be easily transported and safely used in almost any environment – including outdoors.

Providing high-quality voice and music reproduction for audiences ranging from 10 to 200+ people.

PARALLEL AUDIO

DEMONSTRATION SYSTEMS AVAILABLE

Schools | Fitness | Wedding Celebrants | Corporate Presentations | Hotels | Performance

PARALLEL AUDIO®

WIRELESS MICROPHONE SYSTEMS

Artist
wireless audio system

100 UHF
WIRELESS SYSTEM

Features

- 100 factory preset user-selectable UHF frequencies.
- Advanced microprocessor control, excellent RF design with improved signal performance for interference free multi-channel operation.
- Just one click on the receiver to synchronse the transmitter's channel.
- SCAN function automatically locates the next clean frequency.
- More than 10-12 non interfering channels can be operated simultaneously within a selected 25MHz bandwidth.
- Diversity design for high sensitivity, high selectivity, and high image/ spurious rejections.
- Anti-interference Pilotone control and RF noise squelch circuitries.
- 7-segment LED display on the receiver shows selected channel.
- RF & AF LED indicators.
- Balanced (XLR) x 1 / unbalanced (Ø6.3mm) x 1 audio outputs.
- Half-rack metal chassis, mountable with optional mount kit (MP-90S for 1 unit, MP-92S for 2 units).

Available Packages

Handheld System:
- ARTIST Wireless Receiver
- Condenser Handheld Transmitter

Lapel System:
- ARTIST Wireless Receiver
- LP-16L Lapel Mic

Specifications

Model	ARTIST
Frequency range	UHF 520-675MHz (3 available bands)
Switching bandwidth	Up to 25MHz
Switchable frequencies	100
Channels	1
Display screen	7-seg LED
Oscillation type	PLL Synthesised
Frequency stability	±0.005%
Receiving method	Diversity
Sensitivity	-95dBm
Channel synchronisation	Yes (RX→TX)
Image rejection	> 85dB
S/N ratio	> 110dB
Peak deviation	±40KHz
T.H.D.	< 0.5%
Antenna socket	TNC type
Audio outputs	Unbalanced: +4dBm (1.25V)/5KΩ Balanced: -18dBm (50mV)/600Ω
Squelch	RF / Noise / Pilotone squelch
Power supply	100-240V AC, 12V DC/2.0A
Chassis	half-rack (metal)
Dimensions (mm)	200 (W) x 150 (D) x 44 (H)
Weight (kg)	0.483

* NOTE: The above specifications are subject to change without prior notice.

![PLA logo]

Live-100 SERIES
WIRELESS AUDIO SYSTEM

UHF 100-FREQUENCY 2-WAY SYNCHRONISING DIVERSITY RECEIVER

Features

- 100 factory preset user-selectable UHF frequencies.
- Advanced microprocessor control, excellent RF design with improved signal performance for interference free multi-channel operation.
- Patented IrDA technology for 2-way sync between transmitter and receiver.
- SCAN function automatically locates the next clean frequency.
- More than 10-12 non interfering channels can be operated simultaneously within a selected 25MHz bandwidth.
- Diversity design for high sensitivity, high selectivity, and high image/ spurious rejections.
- LCD display on the receiver shows selected frequency.
- Antennas can be either rear or front mounted.
- Anti-interference Pilotone control and RF noise squelch circuitries.
- RF & AF LED indicators.
- Balanced (XLR) x 1 / unbalanced (O6.3mm) x 1 audio outputs.
- Half-rack metal chassis, mountable with optional mount kit (PA-WRK-1 for 1 unit, PA-WRK-2 for 2 units).
- Matching transmitters: HH6100, BP6100.

Available Packages

Handheld System:
- Live-100 Wireless Receiver
- HH6100 Handheld Transmitter   **F** PAGE 26

Lapel System:
- Live-100 Wireless Receiver
- BP6100 Beltpack Transmitter   **G** PAGE 27
- LP-16L Lapel Mic

High Quality Headset System:
- Live-100 Wireless Receiver
- BP6100 Beltpack Transmitter   **G** PAGE 27
- HM-221-U/O Headworn Mic (Beige)   **J** PAGE 29

Guitar System:
- Live-100 Wireless Receiver
- BP6100 Beltpack Transmitter   **G** PAGE 27
- GC-12 Guitar Lead

Specifications

Model	LIVE-100
Channel	Single
Chassis	EIA standard 19'' 1/2U
Frequency range	UHF 520-675MHz (3 available bands)
Bandwidth	Up to 25MHz
Receiving mode	Diversity
Peak deviation	±40kHz
Channel sync	2-way (receiver – transmitter)
Sensitivity	S/N > 80dBm at 10dBµV
S/N ratio	> 110dB (A)
T.H.D.	< 0.5% @ 1kHz
Frequency response	50Hz – 18kHz
Receiving antenna	Rear Panel. Detachable.
Preset channels	100
Oscillation mode	PLL synthesised, frequency stability ≤± 0.005% (-10 – +60C)
Squelch	Pilotone & Noise-cancelling dual-squelch circuit
Audio output adjustment	Gain control circuit for adjustment of output volume
Output connector	Balanced XLR and unbalanced 6.3Ø
Power supply	12V DC, 1.0A
Power consumption	12W
Dimensions (mm)	200 (W) x 44 (H) x 150 (D)
Weight (kg)	0.63

* NOTE: The above specifications are subject to change without prior notice.

![PLA logo]

Performer-100 SERIES
WIRELESS AUDIO SYSTEM

UHF 100-FREQUENCY 2-WAY
SYNCHRONISING TRUE DIVERSITY RECEIVER

Features

- EIA Standard 1/2U rack-mountable metal chassis with high contrast LCD display (Channel, frequency, RF level, AF level and antenna selection).
- 100 factory preset user-selectable UHF channels.
- True diversity reception for best performance and reliability.
- Adjustable SQ. Increases receiver range with higher sensitivity and reduces interference with lower sensitivity.
- Auto Scan function allows quick search for an interference-free working channel from 100 presets. World-first patented IrDA technology provides rapid and precise 2-way frequency sync between the receiver and transmitter.
- Receiver provides power for Parallel Audio antenna systems to enhance reception range and signal stability.
- Audio output jacks: balanced XLR or unbalanced 6.3mm.

Available Packages

Handheld System:
- Performer-100 Wireless Receiver
- HH6100 Handheld Transmitter   **F** PAGE 26

Lapel System:
- Performer-100 Wireless Receiver
- BP6100 Beltpack Transmitter   **G** PAGE 27
- LP-16L Lapel Mic

High Quality Headset System:
- Performer-100 Wireless Receiver
- BP6100 Beltpack Transmitter   **G** PAGE 27
- HM-221-U/O Headworn Mic (Beige) **J** PAGE 29

Guitar System:
- Performer-100 Wireless Receiver
- BP6100 Beltpack Transmitter   **G** PAGE 27
- GC-12 Guitar Lead

Specifications

Model	PERFORMER-100
Channel	Single
Chassis	EIA standard 19'' 1/2U
Frequency range	UHF 520-675MHz (3 available bands)
Bandwidth	Up to 25MHz
Receiving mode	True Diversity
Peak deviation	±40kHz
Channel sync	2-way (receiver – transmitter)
Sensitivity	S/N > 80dBm at 10dBμV
S/N ratio	> 110dB (A)
T.H.D.	< 0.5% @ 1kHz
Frequency response	50Hz – 18kHz
Receiving antenna	Rear Panel. Detachable.
Preset channels	100
Oscillation mode	PLL synthesised, frequency stability ≤± 0.005% (-10 – +60C)
Squelch	Pilotone & Noise-cancelling dual-squelch circuit
Audio output adjustment	Gain control circuit for adjustment of output volume
Output connector	Balanced XLR and unbalanced 6.3Ø
Power supply	12V DC, 1.0A
Power consumption	12W
Dimensions (mm)	200 (W) x 44 (H) x 150 (D)
Weight (kg)	0.63

* NOTE: The above specifications are subject to change without prior notice.

Stage-100 SERIES
WIRELESS AUDIO SYSTEM

UHF 100-FREQUENCY 2-WAY SYNCHRONISING TRUE DIVERSITY RECEIVER

Features

- EIA Standard 1/2U rack-mountable metal chassis with high contrast LCD display (Channel, frequency, RF level, AF level and antenna selection).
- 100 factory preset user-selectable UHF channels.
- Battery level indicator on receiver panel monitors transmitter battery status.
- Applies high performance THAT compander IC ensures best dynamic range as well as excellent sound quality.
- True diversity reception for best performance and reliability.
- Pilotone and noise-cancelling dual-squelch circuits eliminate noise, interference and reduce signal dropouts.
- Adjustable SQ. Increases receiver range with higher sensitivity and reduces interference with lower sensitivity.
- Auto Scan function allows quick search for an interference-free working channel from 100 presets. World-first patented IrDA technology provides rapid and precise 2-way frequency sync between the receiver and transmitter.
- Receiver provides power for Parallel Audio antenna systems to enhance reception range and signal stability.
- Audio output jacks: balanced XLR or unbalanced 6.3mm.

Available Packages

Handheld System:
- Stage-100 Wireless Receiver
- HH9000 Handheld Transmitter

Lapel System:
- Stage-100 Wireless Receiver
- BP9000 Beltpack Transmitter
- LP-16L Lapel Mic

High Quality Headset System:
- Stage-100 Wireless Receiver
- BP9000 Beltpack Transmitter
- HM-221-U/O Headworn Mic (Beige) **J** PAGE 29

Guitar System:
- Stage-100 Wireless Receiver
- BP9000 Beltpack Transmitter
- GC-12 Guitar Lead

Specifications

Model	STAGE-100
Channel	Single
Chassis	EIA standard 19'' 1/2U
Frequency range	UHF 520-675MHz (3 available bands)
Bandwidth	Up to 25MHz
Receiving mode	True Diversity
Peak deviation	±40kHz
Channel sync	2-way (receiver – transmitter)
Sensitivity	S/N > 80dBm at 10dBµV
S/N ratio	> 110dB (A)
T.H.D.	< 0.5% @ 1kHz
Frequency response	50Hz – 18kHz
Receiving antenna	Rear Panel. Detachable.
Preset channels	100
Oscillation mode	PLL synthesised, frequency stability ≤± 0.005% (-10 – +60C)
Squelch	Pilotone & Noise-cancelling dual-squelch circuit
Audio output adjustment	Gain control circuit for adjustment of output volume
Output connector	Balanced XLR and unbalanced 6.3Ø
Power supply	12V DC, 1.0A
Power consumption	12W
Dimensions (mm)	200 (W) x 44 (H) x 220 (D)
Weight (kg)	1.1

* NOTE: The above specifications are subject to change without prior notice.

M2000

MODULAR DUAL CHANNEL TRUE DIVERSITY WIRELESS MIC/REPEATER + PLAYBACK SYSTEM

Features

- EIA Standard 1/2U rack-mountable metal chassis with slots for optional modules.
- Pilotone and noise-cancelling dual-squelch circuits eliminate noise, interference and reduce signal dropouts.
- True diversity reception for best performance and reliability.
- Adjustable SQ. Increases receiver range with higher sensitivity and reduces interference with lower sensitivity.
- Auto Scan function allows quick search for an interference-free working channel from 100 presets. World-first patented IrDA technology provides rapid and precise 2-way frequency sync between the receiver and transmitter.
- Receiver provides power for Parallel Audio antenna systems to enhance reception range and signal stability.
- Single channel audio output jacks: balanced XLR+6.3mm.

Receiver

- RX8TD: 100 factory preset user-selectable UHF channels. High contrast LCD displays channel, frequency, RF level, AF level, antenna selection and transmitter battery level.

Playback

- BT5: Bluetooth receiver module
- DPR5: USB/SD player and recorder module

Repeater/Transmitter

- RP5: UHF 100 frequency wireless transmitter module

Specifications

Model	M2000
Channel	Dual
Chassis	EIA standard 19'' 1/2U
Receiving antenna	Rear Panel. Detachable.
Audio output adjustment	Gain control circuit for adjustment of output volume
Output connector	Balanced XLR and unbalanced 6.3Ø
Power supply	12V DC, 1.0A
Power consumption	12W
Dimensions (mm)	200 (W) x 44 (H) x 220 (D)
Weight (kg)	1.0

* **NOTE:** The above specifications are subject to change without prior notice.

M4000

MODULAR UHF PLL QUAD CHANNEL TRUE DIVERSITY WIRELESS MICROPHONE SYSTEM

Features

- EIA Standard 1U rack-mountable metal chassis with slots for optional modules.
- RX8TD receiver module: 100 factory preset user-selectable UHF channels. High contrast LCD displays channel, frequency, RF level, AF level, antenna selection and transmitter battery level.
- Pilotone and noise-cancelling dual-squelch circuits eliminate noise, interference and reduce signal dropouts.
- True diversity reception for best performance and reliability.
- Adjustable SQ. Increases receiver range with higher sensitivity and reduces interference with lower sensitivity.
- Auto Scan function allows quick search for an interference-free working channel from 100 presets. World-first patented IrDA technology provides rapid and precise 2-way frequency sync between the receiver and transmitter.
- Receiver provides power for Parallel Audio antenna systems to enhance reception range and signal stability.
- Single channel audio output jacks: balanced XLR.
- Mixed audio output jacks: balanced XLR and unbalanced 6.3mm.

Specifications

Model	M4000
Channel	Quad
Chassis	EIA standard 19'' 1U
Receiving antenna	Rear Panel. Detachable.
Audio output adjustment	Gain control circuit for adjustment of output volume
Output connector	Balanced XLR and unbalanced 6.3Ø
Power supply	15V DC, 4.3A
Power consumption	12W
Dimensions (mm)	482 (W) x 44 (H) x 244 (D)
Weight (kg)	1.8

* NOTE: The above specifications are subject to change without prior notice.

MA4200

2.1 CHANNEL MULTIMEDIA MIXER AMPLIFIER

Features

- High powered, efficient Class D audio amplifiers built in.
- Compact all-in-one design in a professional 1RU 19" metal chassis.
- No noisy cooling fans.
- Bass, treble and balance control.
- L&R and SUBWOOFER volume controls.
- Low-pass control (50-150Hz) and tone control for subwoofer.
- TWO AUX inputs with individual volume control (1 x RCA stereo and 1 x Phone jack 3,5mm stereo).
- MIC IN (XLR or Phone jack 6,3mm).
- AUX OUT (RCA stereo connector, line level).
- Assistive listening device (ALD) output (Phone jack 3.5mm) with volume control.
- DC power output 12V/200mA x 1, 5VDC output (USB A) for supplying low power accessories x 1.
- VOICE PRIORITY & LOW CUT (switchable) for all MIC inputs.
- Inputs matched for smart-phone audio outputs.
- Easy-to-use design, no technical background needed.
- Plug and play without special connectors or tools, USER-friendly!
- Available optional modules: RX8D, RX8TD, DPR5, BT5.

Specifications

Model	MA4200
Supply voltage	18~24VDC / 5A min. (by external switching power supply)
Power output	All in all about 200W RMS
Frequency response	L&R: 20~20,000Hz±3dB Subwoofer: 20~250Hz±3dB
Input wired microphone	1 x XLR phantom powered 1 x Phone jack 6.3mm
All microphone inputs	Voice priority and low cut switch on front panel
Input AUX 1	RCA (stereo) line level
Input AUX 2	Phone jack 3.5mm (stereo) line level
Output AUX	RCA (stereo) line level (output of mixed signal)
Outputs L&R	Phone jack 6.3mm (mono) & screw terminals 5.08mm
Output subwoofer	Phone jack 6.3mm (mono) & screw terminals 5.08mm 0°/180° phase switch provided on the rear side
Output ALD	Phone jack 3.5mm (stereo) line level
Output USB	Socket type A, for external low power devices (200mA max.)
Output DC	About 12VDC/200mA for external low power devices
Dimensions (mm)	482 (W) x 200 (D) x 44 (H)
Weight (kg)	2.06

* NOTE: The above specifications are subject to change without prior notice.

PARALLEL AUDIO®

PORTABLE PA AND WIRELESS MICROPHONE SYSTEMS
MODULES

RX8D

UHF 100 FREQUENCY 2-WAY SYNC. DIVERSITY WIRELESS RECEIVER MODULE

Features

- Patented IrDA technology for 2-way sync between transmitter and receiver.
- UHF synthesised diversity for highest quality and dropout-free reception.
- Helical Filter RF front end ensures high selectivity.
- Excellent IF design delivers high image and spurious rejection.
- Anti-interference Pilotone circuit.
- RF noise squelch circuit.
- LCD for easy adjustment. Displays channel, frequency, RF level, AF level, antenna selection and transmitter battery level.
- Balanced and unbalanced audio output.
- 20-pin connection for easy installation.

Specifications

Model	RX8D
Frequency range	UHF 520-675MHz (3 available bands)
Switching bandwidth	Up to 25MHz
Switchable frequencies	100
Display screen	LCD
Oscillation	PLL Synthesised
Frequency stability	±0.005%
Frequency scan	Yes
Receiving method	Diversity
2-way synchronisation	Yes
Sensitivity	-100dBm at S/N ratio > 80dB
Image rejection	> 85dB
Spurious rejection	> 85dB
S/N ratio	> 110dB
Peak deviation	±40KHz
T.H.D.	< 0.5%
Audio outputs	Unbalanced: +4dBm (1.25V) Balanced: +10dBm (2.5V)
Squelch	RF noise squelch & Pilotone squelch
Power supply	DC 12V
Weight (g)	102
Dimensions (mm)	73 (W) x 36 (H) x 138 (D)
Matched transmitters	Handheld: HH6100 Beltpack: BP6100
Matched amplifiers	HELIX-1510X, HELIX-208, HELIX-158X, HELIX-765, HELIX-2510, MA4200
Matched receivers	M4000, M2000

* NOTE: The above specifications are subject to change without prior notice.

RX8TD

UHF 100 FREQUENCY 2-WAY SYNC. TRUE DIVERSITY WIRELESS RECEIVER MODULE

Features

- Patented IrDA technology for 2-way sync between transmitter and receiver.
- UHF synthesised true diversity for highest quality and dropout-free reception.
- Helical Filter RF front end ensures high selectivity.
- Excellent IF design delivers high image and spurious rejection.
- Anti-interference Pilotone circuit.
- RF noise squelch circuit.
- LCD for easy adjustment. Displays channel, frequency, RF level, AF level, antenna selection and transmitter battery level.
- Balanced and unbalanced audio output.
- 20-pin connection for easy installation.

Specifications

Model	RX8TD
Frequency range	UHF 520-675MHz (3 available bands)
Switching bandwidth	Up to 25MHz
Switchable frequencies	100
Display screen	LCD
Oscillation	PLL Synthesised
Frequency stability	±0.005%
Frequency scan	Yes
Receiving method	True Diversity
2-way synchronisation	Yes
Sensitivity	-100dBm at S/N ratio > 80dB
Image rejection	> 85dB
Spurious rejection	> 85dB
S/N ratio	> 110dB
Peak deviation	±40KHz
T.H.D.	< 0.5%
Audio outputs	Unbalanced: +4dBm (1.25V) Balanced: +10dBm (2.5V)
Squelch	RF noise squelch & Pilotone squelch
Power supply	DC 12V
Weight (g)	102
Dimensions (mm)	73 (W) x 36 (H) x 138 (D)
Matched transmitters	Handheld: HH6100 Beltpack: BP6100
Matched amplifiers	MA4200
Matched receivers	M4000, M2000

* NOTE: The above specifications are subject to change without prior notice.

DPR5

USB/SD PLAYER AND RECORDER MODULE

Features

- Able to record and read MP3 files on USB and SD card.
- Clear and intuitive LCD display for easy operation and quick set-up.
- Selectable repeat and play modes.
- Remote control included.
- Individual power / volume control.

Specifications

Model	DPR5
Power supply	DC12V
File format	MP3, WAV, WMA
Recordable	MP3
Storage system format	FAT, FAT32
Acceptable storage device	USB, SD
Dimensions	74 x 36 x 138 mm
Matched amplifiers	HELIX-208, MA4200
Matched RX	MA2000

* NOTE: The above specifications are subject to change without prior notice.

RP5

UHF 100 FREQUENCY WIRELESS TRANSMITTER MODULE

Features

- Modular design for easy installation/uninstallation.
- 100-frequency selectable.
- High/Low output power for selection.
- All audio sources, including music and microphone, can be transmitted via a single RP5.
- Gain control for audio sensitivity adjustment.
- Mountable to cabinet when installed in a 19'' kit.
- Compatible with Parallel Audio portable amplifiers for wireless audio link.
- No limitation to the number of passive/active speaker in the audio link application.
- Suitable for activities of larger space requirement such as forums or sports events in a stadium.

Specifications

Model	RP5
Frequency range	UHF 520-675MHz (3 available bands)
Switching bandwidth	Up to 25MHz
Switchable frequencies	100
RF power output	High 100mW, Low 35mW
Spurious emission	> 60dB below carrier
Dynamic range	> 110dB
Display screen	7-segment LED
T.H.D.	< 0.5%
Power supply	DC 12V
Peak deviation	±40KHz
Antenna socket	TNC type
Matched transmitters	Handheld: HH6100 Beltpack: BP6100
Matched amplifiers	HELIX-1510X, HELIX-208, HELIX-158X, HELIX-2510
Matched receivers	M2000

* **NOTE:** The above specifications are subject to change without prior notice.

BT5

BLUETOOTH RECEIVER MODULE
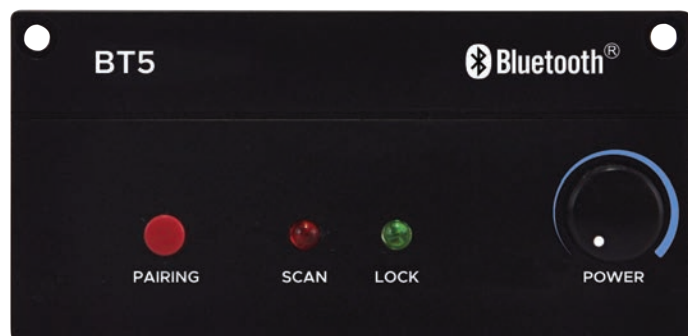
Specifications

Model	BT5
Supply voltage	12V
Audio	Stereo in, mono out
Indicator	Red LED: scan, Green LED: lock. Not paired→both flash alternatively. Paired→green flashes.
Standard	Bluetooth 3.0, Class 2
Capability	Bluetooth 2.1+RED and Bluetooth 2.0,1.2 and 1.1
Frequency	2.4~2.48GHz
Modulation	GFSK, 3Mbps
Sensitivity	-90dBm at 0.1%BER
Profiles	A2DP 1.2
Dimensions (mm)	74 x 36 x 138
Weight (g)	55
Matched amplifiers	HELIX-1510X, HELIX-208, HELIX-158X, HELIX-765, HELIX-2510, MA4200
Matched RX	M2000

* NOTE: The above specifications are subject to change without prior notice.

PARALLEL AUDIO®

PORTABLE PA AND WIRELESS MICROPHONE SYSTEMS
TRANSMITTERS AND ACCESSORIES

HH6100

HANDHELD WIRELESS TRANSMITTER

F

Features

- Multi-function LCD display for channel/frequency, battery level indicator, Alkaline/NiMH battery selection.
- Patented IrDA technology for 2-way data transfer between transmitter and receiver.
- Hidden antenna.
- Detachable microphone capsule design. Selection of either Dynamic or Condenser.
- Handling noise free with dynamic microphone capsule
- Rugged metallic housing design.
- Uses 2 x AA batteries to operate.
- Long operating hour up to 16 hours.
- Matching battery charger: HC2.

Specifications

Model	HH6100
Frequency range	UHF 520-675MHz (3 available bands)
Switching bandwidth	Up to 25MHz
Switchable frequency	100
2-way synchronisation	Yes
Spurious emission	> 60dB below carrier
Dynamic range	> 110dB
Display screen	LCD
T.H.D.	< 0.5%
Peak deviation	±40KHz
Antenna	Built-in
Battery type	AA x 2
Operating life (Alkaline)	16 hrs
Charging function	Yes
Battery charger	HC2
Microphone capsule	Dynamic (condenser type available)
Dimensions (mm)	Ø53 x 256
Weight (g)	298

* NOTE: The above specifications are subject to change without prior notice.

** The output power may vary from country to country.

BP6100

BELTPACK TRANSMITTER

Features

- Multi-function LCD display for channel/frequency, sensitivity, battery status indicator, Alkaline/NiMH battery selection.
- Patented IrDA technology for 2-way data transfer between transmitter and receiver.
- 100 frequencies agile in 25 MHz bandwidth.
- Supports various lavalier, headset and instrument microphones and guitar cable.
- Power-On LED.
- Uses 2 x AA batteries to operate.
- Low current consumption.
- Long operating time up to 16 hours.
- Standard 4-pin mini XLR connector.
- 1/4 wave whip antenna.
- MT and GT gain controls for beltpack microphones.
- Detachable belt-clip.
- Matching battery charger: HC2.

Available Options

BP6100/LP16 Lapel Mic Option:
Includes IrDA bodypack transmitter with LCD display, 100 channel UHF (2 x AA batteries required)

BP6100/LP520 High-Quality Lapel Mic Option:
Includes bodypack transmitter, 100 channel UHF (2 x AA batteries required)

BP6100/HM72 Headworn Mic Option:
Includes bodypack transmitter, 100 channel UHF, (2 x AA batteries required)

BP6100/HM221U High-QualityHeadworn Mic Option:
Includes bodypack transmitter, 100 channel UHF, (2 x AA batteries required)

Specifications

Model	BP6100
Frequency range	UHF 520-675MHz (3 available bands)
Switching bandwidth	Up to 25MHz
Switchable frequency	100
2-way synchronisation	Yes
Spurious emission	> 60dB below carrier
Dynamic range	> 110dB
Display screen	LCD
T.H.D.	< 0.5%
Peak deviation	±40KHz
Antenna	1/4 wave, whip antenna
Battery type	AA x 2
Operating life (Alkaline)	16 hrs
Charging function	Yes
Battery charger	HC2
Connector	4-pin mini-XLR type
Dimensions (mm)	84 (L) x 64 (W) x 23 (H)
Microphone input	Lavalier/headset microphone
Weight (g)	76

* NOTE: The above specifications are subject to change without prior notice.

** The output power may vary from country to country.

GW6100

WIRELESS DESKTOP MICROPHONE BASE

Features

- Powered by 2 x AA batteries
- PUSH-TO-TALK and LOCK-TO-TALK buttons
- Strong zinc die-cast metal base in non-glare black finish
- For use with all Parallel Audio 100-channel receivers and modules

ACCESSORIES NOT INCLUDED

GN4360

- Uni-directional condenser
- Telescopic design with length-adjustable gooseneck avoids moving the base
- Adjustable from 430mm to 600mm

Specifications

Model	GW6100
Frequency range	UHF 520-675MHz (3 available bands)
Switching bandwidth	Up to 25MHz
Preset frequencies	100
RF output power	35mW
Spurious emission	>60dB below carrier
Dynamic range	>110dB
Display screen	LCD
T.H.D.	<0.5%
Battery used	AA x 2
Operating time	about 12 hours
Peak deviation	±40KHz
Max SPL	100dB for 1% T.H.D.
Working voltage	6V
Dimension (H x W x D mm)	50 x 111 x 148
Weight (g)	645

* **NOTE:** The above specifications are subject to change without prior notice.

DM7S/X I

PROFESSIONAL DYNAMIC MICROPHONE

Features
- Superb quality dynamic cartridge delivers high quality sound with smooth, clear vocals.
- Durable zinc-alloy with wear resistant, iron-grey finish and a robust mesh grill.
- Suitable for professional public address, broadcast and conference.
- DM7SX includes XLR cable.

Specifications

Model	DM7S/X
Type	Dynamic microphone
Frequency response	80Hz to 15000Hz
Sensitivity at 1000Hz	-72dB±3dB (0dB = 1V/μbar)
Impedance	500Ω (±15%)
Directivity	Uni-directional
Microphone connector	3-Pin XLR
Material	Zinc alloy
Dimensions (mm)	Length: 171, Diameter: Ø50.9, Shank: 33.7
Cable	Ø6.0 15ft, Ø6.3plug
Weight (g)	234g

* **NOTE:** The above specifications are subject to change without prior notice.

HM-221-U/O ∫

SLIMLINE CARDIOID/OMNI-DIRECTIONAL HEADWORN MICROPHONE

Features
- Discrete, lightweight design.
- Telescopic for all head sizes.
- Boom can be easily attached to the right or left side.
- Ultra thin boom (Ø1 mm).

Specifications

Model	HM-221-U	HM-221-O
Polar pattern	Uni-directional	Omni-directional
S/N ratio	55 dB	
SPL	100 dB	110dB
Frequency response	70~16KHz	20~20KHz
Impedance	1200 Ω ± 30% (at 1KHz)	1500 Ω ± 30% (at 1KHz)
Sensitivity	-68±3 dB (0 dB = 1 V/microbar)	-67±3 dB (0 dB = 1 V/microbar)
Operating voltage	1~10 V DC (RL : 2K2 Ω)	
Colour	Beige	
Capsule housing	Ø5 x 6 mm	Ø4 x 11 mm
Boom	Ø1 x 190 mm	Ø1 x 150 mm
Wire	Ø1.5 mm x 1.3 metre	
Connector	TA4F	
Accessories	Windsock, Clip, Case	

* **NOTE:** The above specifications are subject to change without prior notice.

HC2

K

DUAL CHARGING DOCK WITH POWER SHARING CONNECTION

Specifications

Model	HC2
Input voltage	12VDC 2A
Over-charging prevention timer	10 hrs
Quiescent current	17mA±5mA
Suitable batteries	Use with Ni-MH batteries only
Displays	Red LED: Charging Green LED: Battery full Blue LED: Power indicator
Charged unit quantity	2
Dimensions (mm)	95 (W) x 145 (D) x 75 (H)
Weight (g)	257
Case	ABS Plastic

* NOTE: The above specifications are subject to change without prior notice.

CHARGE PACK

L

CHARGING PACKAGE FOR 2100 AND 6100 MODEL TRANSMITTERS

Includes

- HC2 dual charger
- 4 x 2700mAh AA batteries

DC in
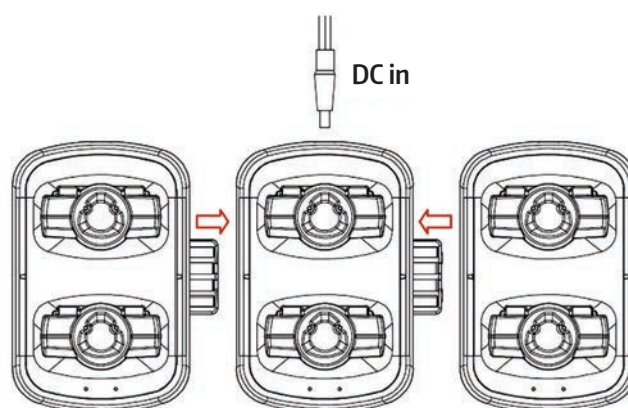
Sharing power with another 2 x HC2 chargers

HX-SPORTSPK M

SPORTS ARENA PACKAGE
FOR HELIX-2510 AND HELIX-1510X

Includes

- Dual horn speakers and stands providing greater coverage
- 2 x 10 metre cable

HX-10 PACK N

DELUXE ACCESSORY PACK
FOR HELIX-2510 AND HELIX-1510X

Includes

- HC2 dual charger
- 4 x 2700mAh AA batteries
- HX-ST stand
- HX-STB stand bag

HX-8 DLX

DELUXE ACCESSORY PACK
FOR HELIX-158X AND HELIX-208

Includes

- · HX-8 TB1
- · HC2 dual charger
- · 4 x 2700mAh AA batteries
- · HX-8 ST stand
- · HX-STB stand bag

HX-8 PACK

ACCESSORY PACK
FOR HELIX-158X AND HELIX-208

Includes

- · HC2 dual charger
- · 4 x 2700mAh AA batteries
- · HX-8 ST stand
- · HX-STB stand bag

HX-8 TB1 Q

CARRY CASE WITH BUILT-IN TROLLEY FOR HELIX-158X AND HELIX-208

Features

- Wheels
- Handle
- Luggage style

HX-8 TB2 R

CARRY CASE WITH BUILT-IN TROLLEY FOR 2 X HELIX-158X AND HELIX-208

Features

- Wheels
- Handle
- Luggage style

HX-8 ST

S

SPEAKER STAND
FOR HELIX-158X AND HELIX-208

Features

- Strong, lightweight, portable design
- Maximum height of 150cm
- 3.2kg

HX-765 PACK DLX

T

DELUXE ACCESSORY PACK
FOR HELIX-765

Includes

- HC2 dual charger
- 4 x 2700mAh AA batteries
- HX-765 ST stand
- HX-STB stand bag

HX-765 ST

U

SPEAKER STAND FOR HELIX-765

Features
· Lightweight
· Adjustable height
· 2.3kg

HX-STB

V

CANVAS ZIPPERED BAG WITH SHOULDER STRAP FOR UP TO 2 X HELIX SPEAKER STANDS

Features
· Shoulder carry strap
· Holds up to 2 x Helix speaker stands with room for accessories
· Easy transportation

HX-2510 SP **W**

COMPANION PASSIVE SPEAKER
FOR HELIX-2510

Specifications

Model	HX2510 SP
Power rating	240W MAX
Impedance	4Ω
Speaker system	10'' LF, 1'' HF and crossover
Speaker input	Unbalanced (6.3mmO)
Dimensions (mm)	550 x 360 x 340
Weight (kg)	13.8
Includes	Cover and Cable

* NOTE: The above specifications are subject to change without prior notice.

HX-1510X SP **X**

COMPANION PASSIVE SPEAKER
FOR HELIX-1510X

Specifications

Model	HX-1510x SP
Power rating	150W MAX
Impedance	4Ω
Speaker system	10'' full range
Speaker input	Unbalanced (6.3mmO)
Speaker output	Unbalanced (6.3mmO)
Dimensions (mm)	500 x 350 x 300
Weight (kg)	11.1
Includes	Cover and Cable

* NOTE: The above specifications are subject to change without prior notice.

HX-1510X PSR

Y

ACTIVE SLAVE SPEAKER
FOR HELIX-1510X

Specifications

Model	HX-1510 PSR
Power rating	150W MAX
Impedance	4Ω
Speaker system	10'' full range
Audio link input	Balanced (XLR)
Audio link output	Balanced (XLR)
Volume control	Master
Speaker output	Unbalanced (6.3mmØ) x 2
Battery	Lead acid (12V 5AH) x 2
Dimensions (mm)	500 x 350 x 300
Weight (kg)	18.8
Includes	Cover

* NOTE: The above specifications are subject to change without prior notice.

HX-8 PSR

Z

ACTIVE SLAVE SPEAKER
FOR HELIX-208 / HELIX-158X

Specifications

Model	HX-8 PSR
Power rating	150W MAX
Impedance	4Ω
Speaker system	8'' LF + 1'' HF & electronic crossover
Audio link input	Balanced (XLR)
Audio link output	Balanced (XLR)
Volume control	Master
Battery	Lead acid (12V 5AH) x 2
Dimensions (mm)	424 x 290 x 250
Weight (kg)	7.1
Includes	Cover

* NOTE: The above specifications are subject to change without prior notice.

HX-158X SP `AA`

COMPANION PASSIVE SPEAKER
FOR HELIX-158X

Specifications

Model	HX-158x SP
Power rating	150W MAX
Impedance	4Ω
Speaker system	8'' full range
Speaker input	Unbalanced (6.3mmO)
Speaker output	–
Dimensions (mm)	424 x 290 x 250
Weight (kg)	5.5
Includes	Cover and Cable

* NOTE: The above specifications are subject to change without prior notice.

HX-765 SP `BB`

COMPANION PASSIVE SPEAKER
FOR HELIX-765

Specifications

Model	HX-765 SP
Power rating	50W MAX
Impedance	4Ω
Speaker system	6 ½'' full range
Speaker input	Unbalanced (6.3mmO)
Speaker output	–
Dimensions (mm)	313 x 220 x 215
Weight (kg)	3.026
Includes	Carry bag/cover

* NOTE: The above specifications are subject to change without prior notice.

HX-765 PSR `CC`

ACTIVE SLAVE SPEAKER
FOR HELIX-765

Specifications

Model	HX-765 PSR
Power rating	50W MAX
Impedance	4Ω
Speaker system	6 ½" full range
Volume control	Master
Speaker input	Unbalanced (6.3mmO)
Dimensions (mm)	313 x 220 x 215
Weight (kg)	4.5
Includes	Carry bag

* NOTE: The above specifications are subject to change without prior notice.

SUB8 `DD`

PASSIVE 8" SUBWOOFER
TO SUIT MA4200

Specifications

Model	SUB8
Input	Phone jack / Speaker terminal block
Driver monomer	206 mm
Impedance	4 ohms
Max power	250W
Frequency response	20 ~ 160HZ
Dimension (mm)	320 (H) x 250 (W) x 315 (D)
Weight (kg)	6.8

* NOTE: The above specifications are subject to change without prior notice.

AD70

UHF ANTENNA DIVIDER

Specifications

Model	AD70
Band	UHF
DC power out	YES
No. of DC out jacks	4
Frequency range	500 - 820MHz
Input impedance	50Ω
Output impedance	50Ω
Nominal gain	0dB ± 3dB
AC power input	00 - 240V, 60Hz
DC output	DC 12 -15V, 3.6A
Dimensions (mm)	420 x 198 x 44
Weight (kg)	1.56
Matched receivers	LIVE-100, PERFORMER-100, STAGE-100, M2000, M4000

* NOTE: The above specifications are subject to change without prior notice.

AB80

UHF ANTENNA BOOSTER

Specifications

Model	AB80
Band	UHF
Gain	12.5dB
IP3	14.5dBm
Noise reduction	<1.4dB
Connector	BNC
Impedance	50Ω
Working voltage	DC 8-12V
Current consumption	about 30mA
Dimensions (mm)	105 x 32
Weight (g)	200
Matched receivers	LIVE-100, PERFORMER-100, STAGE-100, M2000, M4000

* NOTE: The above specifications are subject to change without prior notice.

DA80

GG

UHF DIRECTIONAL ANTENNA PAIR

Specifications

Model	DA80
Antenna type	Log periodic dipole array
Operating bandwidth	520-860MHz
Impedance	50Ω normal value
Gain	7dBi typical
V.S.W.R.	< 1.7:1
Standing wave ration	1.3 or less
Number of elements	9
Termination type	BNC
Dimensions (mm)	288 x 262
Weight (g)	178
Matched receivers	LIVE-100, PERFORMER-100, STAGE-100, M2000, M4000

* NOTE: The above specifications are subject to change without prior notice.

DA-PACKAGE

HH

REMOTE ANTENNA PACKAGE – A SIMPLE PACKAGE READY FOR YOUR INSTALLATION

Includes
- 2 x DA80
- 2 x AB80
- 2 x BNC-Crimp
- 2 x TNC-Crimp
- 2 x DA80 WB

RA80 ❚❚

UHF REMOTE GROUND PLANE ANTENNA 1/4 WAVE (EXTENSION)

Specifications

Model	RA80
Matched receivers	LIVE-100, PERFORMER-100, STAGE-100, M2000, M4000

* NOTE: The above specifications are subject to change without prior notice.

RA-PACKAGE 〝

REMOTE ANTENNA PACKAGE – A SIMPLE PACKAGE READY FOR YOUR INSTALLATION

Includes

- 2 x RA80
- 2 x AB80
- 2 x BNC-Crimp
- 2 x TNC-Crimp

INTRODUCING

PARALLEL AUDIO

BRAND. NEW.

HELIX SERIES
PORTABLE PA SYSTEMS

WIRELESS MICROPHONE SYSTEMS

After 20 years in distribution partnership with Chiayo Electronics, NAS Solutions are excited to offer a new family of products to the Australian and New Zealand Markets.

Parallel Audio is a complete line of PA and wireless microphone systems developed in close partnership with a leading audio manufacturer.

Initial offerings include the Helix Series of PA systems and a range of wireless microphone products.

"Parallel Audio retains the quality and reliability we have had the pleasure to provide to our customers over the years and enables us to develop our current offering to an improved range of wireless and portable PA solutions," says James Piper, Operations Manager and Product Specialist at NAS Solutions. "We are also excited to expand our distribution of the Parallel Audio range of products into the New Zealand market. All Parallel Audio products will be completely backwards compatible with our previous brands and products."

PORTABLE PA AND WIRELESS MICROPHONE SYSTEMS
Schools | Fitness | Wedding Celebrants | Corporate Presentations | Hotels | Performance

AVAILABLE IN AUSTRALIA AND NEW ZEALAND