



ROADMAN 102 SERIES

After many challenges and years of experience in the design of sound systems, LD is proud to introduce this multi-function, multi-purpose all-in-one RoadMan 102 Series of Portable Public Address Systems!

- For Indoor & Outdoor Use
- Multiple PA Applications (Mic., Line, CD/MP3-Player, UHF-Wireless)
- Built-in 24 V DC rechargeable batteries
- High Quality Sound (10" + HF Driver)
- 200 W Music Power
- Top Design with Aluminium Frame

ROADMAN SLAVE (ACTIVE)

EXTRAORDINARY FEATURES:

1. Aluminium enclosure
2. 90 V - 250 V AC switch mode power supply
3. Two way speaker system
4. Built-in two stages charging circuit
5. 24 V DC supply from two built-in maintenancefree 12 V/4.5 AH lead acid type rechargeable batteries
6. Slot for choice of two UHF PLL synthesized diversity type receiver modules
7. Built-in diversity receiving UHF antennas.
8. Two Neutrik XLR/Phone combo connectors as wired microphone input
9. Line in & out RCA jack.
10. Cassette recorder with pitch control function
11. CD player with anti-shock function
12. Voice Priority circuit
13. Preamplifier, mixer and amplifier circuit.
14. High performance optocoupler limiter circuit minimized distortion and over modulation.
15. Separate power switches for receiver and CD/Tape
16. Individual volume control for wired and wireless microphones.
17. Master volume control
18. Audio Link Master / Slave circuit
19. Handle
20. Two stage trolley
21. Wheels
22. Enclosure base equipped with tripod stand adaptor
23. Optional accessories:
Tripod stand & corresponding carrying bag, RoadMan 102 Weather proof bag





AUDIO LINK

Audio Link allows the inter-connection of the RoadMan 102 unit with up to 20 SLAVE units to form a large network of amplified speakers. In order to do this, the MASTER unit with the audio sources (wireless mic, wired mic, cassette or CD) is connected to the SLAVE unit via the ACTIVE OUT connector. The ACTIVE OUT of the SLAVE is then connected to the ACTIVE IN of the next SLAVE and so on if more SLAVE units are required.

ADVANTAGES OF AUDIO LINK

Expandable & Flexible: The RoadMan 102 can work as a single unit or be expanded to a large network of amplified speakers for crowds up to 500 or more.

FEATURES INCLUDE

- Suitable for both indoor and outdoor applications.
- New stylish design featuring a light weight extruded aluminium enclosure
- AC/DC (Battery) powered operation
- Multiple wireless and wired microphone facilities
- 2 ways speaker system with crossover circuit
- High quality power means clear, intelligible sound
- High quality Neutrik XLR connectors
- Easy to operate
- Easy to setup
- All-in One
- Internal Tripod Stand Mount
- Capable of handling crowds of up to 300 people (and more with Audio Link)
- Extraordinary Features

SPECIFICATIONS

Output Power:	85 W RMS/8 Ohm 200W Music
Max. SPL (at 1 W/1m):	118dB
Speaker System (2 Ways) Bass:	10", 8 Ω, 100W/98 dB at 1 W/1m
Horn:	8 Ω, 60 W/105 dB at 1 W/1m
AC Power Supply:	90 V - 260 V (150 W) switching Power supply
Rechargeable Battery:	12 V 4.5 AH*2 pieces
Distortion:	<0.5%
Inputs:	mic in*2, line in, active in
Outputs:	active out, line out, spk out (switched & unswitched)
Volume Controls:	Master, Wireless Microphone, MIC-IN., CD/TAPE, LINE, TONE Control
Frequency Response:	50 Hz - 20 kHz, Crossover at 3.5 KHz
Companion Speaker:	RoadMan passive speaker (R-SP)
Slave:	RoadMan Slave (R-SL)
Wireless Modules:	Max. 2 pieces (UHF)
Antenna:	Extra UHF diversity receiving antennas.
Charging Time:	about 10 hours
Operating Hour:	6 hours (Music) > 10 hours (Speech)
Dimension (W x H x D):	350 mm x 600 mm x 300 mm
Weight:	18 kg (Basic unit)

BAND

Frequency Range:	863 MHz - 865 MHz
Receiver Modules:	WS 6116 M
Receiving Modes:	Antenna Diversity
No. of channel:	16
Display:	LED Display
Oscillation type:	Microprocessor controlled PLL synthesized
Frequency Bandwidth:	0,125 MHz
Receiving Sensitivity:	-99 dBm at S/N ratio > 75 dB
Peak Deviation:	±40 KHz
De-emphasis:	50 Eg S
Noise Reduction:	Single Band Compander
Squelch:	RF Noise Squelch, Pilotone Squelch
Image Rejection:	> 80 dB
Spurious Rejection:	> 80 dB
S/N Ratio:	>105 dB
Pilotone Frequency:	32,768 kHz
T.H.D.:	< 0,5 %
Squelch System:	Noise Squelch, RF Squelch and Pilotone Control
Transmitter types:	Handheld I Beltpack
Transmitters:	WS 1601 HHD, WS 1601 BP
Channel Display:	Rotary Switch
Transmission power:	10 mW**
Spurious Emission:	At least 60 dB below carrier
Limiter circuit:	Optocoupler type
Limiter Range:	> 30 dB of audio overload
Preemphasis:	50 Eg S
Pilotone Frequency:	32,768 kHz
Peak Deviation:	± 49 kHz
Noise Reduction:	Dual Band Compander (SDX)
Antenna:	Built-in (Handheld), 1/4 wave whip antenna (Beltpack)
Handheld:	Capsule Dynamic
Lavalier Microphones:	WS 1601 ML
Headset Microphones:	WS 1601 MH
Approved by:	FCC, ETS, CE

UHF-LICENSE FREE FREQUENCIES (863 - 865 MHZ BANDWIDTH) LD RoadMan 102, Wireless Portable Sound System. For Indoor & Outdoor Use, Multiple PA Applications