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Advantage Line Quick Selection Guide

Professional Public Address Solutions

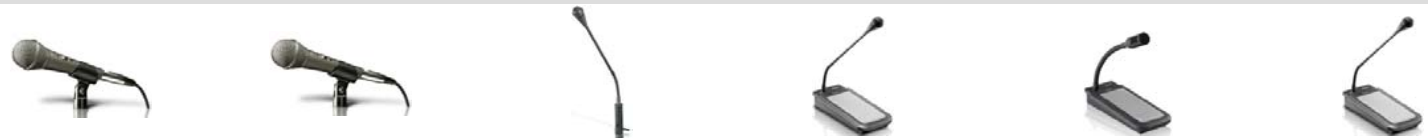
Advantage Line

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Microphones I - Wired Microphones



► Wired Microphones

LBC2900/15

LBC2900/20

LBB1949/00

LBB1950/10

PLE-1SCS

PLE-1CS

Description	Unidirectional Handheld Microphone	Unidirectional Handheld Microphone	Gooseneck Condenser Microphone	Plena Tabletop Unidirectional Condenser Microphone	Plena Easy Line Heavy Duty Call Station	Plena All-Call Call Station
Type	Handheld	Handheld	Gooseneck	Tabletop	Tabletop	Tabletop
Polar Pattern	Unidirectional	Unidirectional	Unidirectional Condenser	Unidirectional Condenser	Unidirectional	Unidirectional
Frequency Response	80 Hz to 12 kHz	80 Hz to 12 kHz	100 Hz to 16 kHz	100 Hz to 16 kHz	100 Hz to 15 kHz	100 Hz to 16 kHz
Sensitivity	1.7 mV/Pa ±3 dB	1.7 mV/Pa ±3 dB	2mV/Pa	2mV/Pa	1.2 mV/Pa ±4 dB	2mV/Pa
Output Impedance	600 ohm	600 ohm	<200 ohm	200 ohm	500 ohm	200 ohm
Cable Length	7 m	7 m	2 m	2 m	2 m	2 m
Connector	6.3 mm (1/4") stereo jack	3-pin XLR	5-pin DIN 180°	5-pin DIN to 3-pin XLR	Lockable Euro Style	Locable Euro Style

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Microphones II - Wireless Microphones



MW1-HTX-Fx

Description	Wireless Handheld Microphones
Power Source	Batteries 2 x LR6 / AA / UM3 1.5 V
Channels	57 channels in steps of 125 kHz
Frequency Range(x=4)	606 to 630 MHz
Frequency Range(x=5)	722 to 746 MHz
Frequency Range(x=6)	925 to 937 MHz
Response	50 Hz ~ 15 kHz

MW1-LTX-Fx

Description	Wireless Belt-pack Transmitters
Batteries	Batteries 2 x LR6 / AA / UM3 1.5 V
Channels	57 channels in steps of 125 kHz
Frequency Range(x=4)	606 to 630 MHz
Frequency Range(x=5)	722 to 746 MHz
Frequency Range(x=6)	925 to 937 MHz
Response	50 Hz ~ 15 kHz

MW1-LMC

Description	Lavalier microphone
Power Source	na
Channels	na
Frequency Range	100 Hz to 12 kHz
Connector	Mini XLR (tini QG)
Impedance	2.2 kohm ± 30 %
Polar Pattern	Cardioid
Cable Length	1 m
Sensitivity (at 1 kHz)	-70 dB ± 3 dB

MW1-RX-Fx

Description	Wireless Microphone Receivers
Power Source	12V to 18 V, 500 mA
Channels	57 channels in steps of 125 kHz
Antenna	2 x
Connector	BNC
HF impedance	50 ohm
Output	2 x
Connector	XLR-3 male, balanced
Output level	-12 dBV (max)
Output impedance	600 ohm
Connector	6.3 mm jack, unbalanced
Output level	0 dBV (max)
Output impedance	2.2 kohm

Advantage Line Quick Selection Guide - Public Address Mixer Amplifiers



	▶ Mixer Amplifiers			▶ Tuner				
	PLE-1ME060	PLE-1ME120	PLE-1ME240	PLE-1MA030	PLE-1MA060	PLE-1MA120	PLE-SDT	
Description	60W,4mic,and BGM input mixer amplifier			30W,4mic,and 3BGM input mixer amplifier			Description	Plena Easy Line SD Tuner BGM source
Voltage	230 VAC ±10%, 50/60 Hz			230 VAC ±10%, 50/60 Hz			Voltage	115 - 230 VAC ± 10%, 50-60 Hz
Mic / Line Inputs	4 x			4 x			FM Tuner	
Input 1	Push-to-talk contact with priority 5-pin Euro style, balanced, phantom			Push-to-talk contact with ducking functionality 5-pin Euro style, balanced, phantom / 3-pin XLR, balanced, phantom (VOX) with ducking functionality on input 2			Antenna Input	75 ohms (coaxial)
Input 2	3-pin Euro style, balanced phantom			3-pin XLR, balanced, phantom			Audio Output Level	- 10 dBV
Input 3	TRS Jack (1 / 4, 6.3mm) balanced			3-pin XLR, balanced, phantom			SD/USB Audio Play	
Input 4	TRS Jack (1 / 4, 6.3mm) balanced			3-pin XLR, balanced, phantom			Max. storage capacity	32 GB
Line Output	-			1 x (mixed line out / music only)			Max. number of tracks	2000
Music Inputs	1 x			3 x			Audio Output Level	- 10 dBV
Connector	Cinch, stereo converted to mono			Cinch, stereo converted to mono				
Emergency / Telephone	-			1 x				
Connector	-			7-pin, Euro Style pluggable screw connector				
Loudspeaker Output	100 V / 70 V			100 V				
Connector	Screw terminal, floating			Screw connector, floating				
Max / Rated	90 W / 60 W	180 W / 120 W	360 W / 240 W	45 W / 30 W	90 W / 60 W	180 W / 120 W		
Loudspeaker Output	4 ohm			8 ohm				
Connector	Screw terminal, floating			Screw terminal, floating				
Max / Rated Voltage	15.5 V (60 W)	22 V (120 W)	31 V (240 W)	16 V (30 W)	22 V (60 W)	31 V (120 W)		

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Volume Controls



► Volume Controls

LBC1400/10

LBC1401/10

LBC1410/10

LBC1411/10

LBC1420/10

	LBC1400/10	LBC1401/10	LBC1410/10	LBC1411/10	LBC1420/10
Dim	87 x 87 mm	81 x 81 mm	87 x 87 mm	81 x 81 mm	87 x 147 x 61.5 mm
Weight	226 g	214 g	226 g	214 g	512 g
Mounting	MK	U40	MK	U40	MK D/E2
Input Voltage	100 V	100 V	100 V	100 V	100 V
Power	12 W (max)	12 W (max)	36 W (max)	36 W (max)	100 W (max)
Attenuation Steps	5 x 3 dB + off	5 x 3 dB + off	8 x 3 dB + off	8 x 3 dB + off	10 x 2 dB + off
Frequency Response	50 Hz to 20 kHz	50 Hz to 20 kHz	50 Hz to 20 kHz	50 Hz to 20 kHz	50 Hz to 20 kHz
THD	< 0.5%	< 0.5%	< 0.5%	< 0.5%	< 0.5%
Current Consumption	20 mA @ 24 V DC	20 mA @ 24 V DC	20 mA @ 24 V DC	20 mA @ 24 V DC	20 mA @ 24 V DC
Connection	Screw terminals	Screw terminals	Screw terminals	Screw terminals	Screw terminals
Color	White (RAL 9010)	White (RAL 9010)	White (RAL 9010)	White (RAL 9010)	White (RAL 9010)

Advantage Line Quick Selection Guide - Public Address Loudspeakers - Ceiling Loudspeakers



► Ceiling Loudspeakers

LBC3950/01

LBC3951/11

LHM0606/10

LHM0606/00

LC3-UC06

LC3-UC06-LZ

	LBC3950/01	LBC3951/11	LHM0606/10	LHM0606/00	LC3-UC06	LC3-UC06-LZ
Rated Power	6 / 3 / 1.5 / 0.75 W	6 / 3 / 1.5 / 0.75 W	6 / 3 / 1.5 W	6 / 3 / 1.5 W	6 W (6 / 3 / 1.5 W)	6 W
Sound Pressure Level at Rated Power (1kHz, 1m)	96 dB (SPL)	96 dB (SPL)	94 dB (SPL)	94 dB (SPL)	94 dB (SPL)	94 dB (SPL)
Effective Frequency Range (-6dB)	60 Hz to 18 kHz	60 Hz to 18 kHz	80 Hz to 18 kHz	80 Hz to 18 kHz	90 Hz to 20 kHz	90 Hz to 20 kHz
Opening Angle at 1kHz/4kHz (-6dB)	170° / 90°	170° / 80°	175° / 55°	175° / 55°	180° / 85°	180° / 85°
Rated Voltage	100 V	100 V	100 V	100 V	100 V	4.9 V
Rated Impedance	1667 ohm	1667 ohm	1667 ohm	1667 ohm	1667 ohm	4 ohm
Accessories	na	na	na	na	Backbox LC3-CBB	Backbox LC3-CBB

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Loudspeakers II - Horn Loudspeakers



► Horn Loudspeakers

LBC3481/12

LBC3491/12

LBC3492/12

LBC3493/12

	LBC3481/12	LBC3491/12	LBC3492/12	LBC3493/12
Rated Power	10 W (10 - 5 - 2.5 W)	10 W (10 - 5 - 2.5 W)	20 W (20 - 10 - 5 W)	30 W (30 - 15 - 7.5 W)
Sound Pressure Level at Rated Power (1kHz, 1m)	113 dB (SPL)	118 dB (SPL)	123 dB (SPL)	126 dB (SPL)
Effective Frequency Range (-10dB)	500 Hz to 7 kHz	480 Hz to 5.5 kHz	380 Hz to 5.5 kHz	380 Hz to 5 kHz
Opening Angle at 1kHz/4kHz (-6dB)	160° / 50°	Horizontal: 90° / 40° Vertical: 130° / 45°	80° / 35°	70° / 40°
Rated Voltage	100 V	100 V	100 V	100 V
Rated Impedance	1000 ohm	1000 ohm	500 ohm	333 ohm

Advantage Line Quick Selection Guide - Public Address Loudspeakers III - Cabinet Loudspeakers & Premium Sound



► Cabinet Loudspeakers & Premium Sound

LB1-UW06-Fx LB1-UW06x-x LB1-UW12-x LB1-CW06-x LB1-BW12-x LB2-UC15-x LB2-UC30-x

Description	Cabinet Loudspeakers	Cabinet Loudspeakers	Cabinet Loudspeakers	Corner Cabinet Loudspeakers	Bidirectional Cabinet Loudspeakers	Premium-sound Cabinet Loudspeakers	Premium-sound Cabinet Loudspeakers
Models	LB1-UW06-FD LB1-UW06-FL	LB1-UW06-D LB1-UW06-L	LB1-UW12-D LB1-UW12-L	LB1-CW06-D LB1-CW06-L	LB1-BW12-D LB1-BW12-L	LB2-UC15-D	LB2-UC30-D
Rated Power	6 / 3 / 1.5 W	6 / 3 / 1.5 W	12 / 6 / 3 W	6 / 3 / 1.5 W	12 / 6 / 3 W	15 / 7.5 / 3.75 / 1.9 W	30 / 15 / 7.5 / 3.75 W
Sound Pressure Level at Rated Power (1kHz, 1m)	99 dB (SPL)	99 dB (SPL)	104 (SPL)	99 dB (SPL)	97 dB (SPL)	98 dB (SPL)	105 dB (SPL)
Effective Frequency Range (-10dB)	180 Hz to 20 kHz	180 Hz to 20 kHz	160 Hz to 20 kHz	180 Hz to 20 kHz	140 Hz to 20 kHz	95 Hz to 19.5 kHz	100 Hz to 18.5 kHz
Opening Angle at 1kHz/4kHz (-6dB)	horizontal: 165° / 95° vertical: 158° / 73°	horizontal: 165° / 95° vertical: 158° / 73°	horizontal: 195° / 95° vertical: 69° / 17°	horizontal: 165° / 95° vertical: 150° / 75°	270° / 165°	horizontal: 179° / 101° vertical: 168° / 35°	horizontal: 160° / 81° vertical: 150° / 90°
Rated Input Voltage	100 V	100 V	100 V	100 V	100 V	11 / 70 / 100 V	15.5 / 70 / 100 V
Rated Impedance	1667 ohm	1667 ohm	833 ohm	1667 ohm	833 ohm	8 / 326 / 667 ohm	8 / 163 / 333 ohm
Dimension (HxWxD)	240 x 115 x 139 mm	243 x 151 x 141/119 mm	441 x 151x 150/111 mm	240 x 151 x 138 mm	240 x 238 x 133 mm	205 x 136 x 117 mm	250 x 260 x 140 mm

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Loudspeakers IV - Column Loudspeakers



► Column Loudspeakers

LA1-UW24-x

LA1-UW36-x

Description	Column Loudspeakers	Column Loudspeakers
Models	LA1-UW24-D LA1-UW24-L	LA1-UW36-D LA1-UW36-L
Rated Power	24 / 12 / 6 W	36 / 18 / 9 W
Sound Pressure Level at Rated Power (1kHz, 1m)	110 dB (SPL)	114 dB (SPL)
Effective Frequency Range (-10dB)	165 Hz to 16 kHz	160 Hz to 19 kHz
Opening Angle at 1kHz/4kHz (-6dB)	horizontal: 190° / 88° vertical: 30° / 8°	horizontal: 190° / 88° vertical: 30° / 8°
Rated Input Voltage	100 V	100 V
Rated Impedance	417 ohm	278 ohm
Dimension (HxWxD)	841 x 151 x 129 mm	841 x 151 x 129 mm

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Loudspeakers V- Sound Projectors



► Sound Projectors

LBC3094/15

LBC3095/15

LBC3941/11

Description	LBC3094/15	LBC3095/15	LBC3941/11
Description	Sound Projector	Sound Projector	Sound Projector
Models	LBC3094/15	LBC3095/15	LBC3941/11
Rated Power	10 / 5 / 2.5 W	10 / 5 / 2.5 W	6 / 3 / 1.5 / 0.75 W
Sound Pressure Level at Rated Power (1kHz, 1m)	102 dB (SPL)	99 dB (SPL)	96 dB (SPL)
Effective Frequency Range (-10dB)	140 Hz to 13 kHz	130 Hz to 20 kHz	130 Hz to 18 kHz
Opening Angle at 1kHz/4kHz (-6dB)	160° / 70°	180° / 90°	180° / 90°
Rated Input Voltage	100 V	100 V	100 V
Rated Impedance	1000 ohm	1000 ohm	1667 ohm
Dimension (HxWxD)	diameter.: 175 mm max. length: 268 mm	diameter.: 185 mm max. length: 157 mm	diameter.: 165 mm max. length: 200 mm