



TOA

Net Price List PROFESSIONAL USER

ALL PRICES AND SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

Pro-Sound & Lighting Solutions
www.pro-technica.com

Price List 12/2010

Effective December 20, 2010

Subject to change without prior notice.













All former price lists expire with the publishing of this version.
















All prices are suggested net retail prices; ex works.





There are applicable our General Terms of Business, only.

EUR

Articles marked * will be discontinued soon!





<i>E C P B R</i>	<i>Model</i>	<i>Description</i>	<i>EUR Netto (ex. VAT)</i>	<i>EUR + 20% DDS (incl. VAT)</i>
LOUDSPEAKERS				
		BS-633A Cabinet Speaker for Wall Mounting; Rated Input 6/3/1W/100V; Frequency Response 120Hz ~ 15kHz; SPL (1W / 1m) 91dB. Dimensions 173x195x101 mm	11,80	14,16 EUR
		BS-633AT Cabinet Speaker for Wall Mounting with Volume Control; Rated Input 6/3W/100V; Frequency Response 120Hz ~ 15kHz; SPL (1W / 1m) 91dB. Dimensions 173x195x101 mm	14,40	17,28 EUR
H N N B		BS-634 Wall Mounting Speaker ; Rated Input 3;6W;100V Frequency Response 120Hz ~ 18kHz; SPL (1W / 1m) 90dB. Dimensions 210x330x80 mm	24,00	28,80 EUR
		BS-634T Wall Mounting Speaker with attenuator ; Rated Input 3;6W;100V Frequency Response 120Hz ~ 18kHz; SPL (1W / 1m) 90dB. Dimensions 210x330x80 mm	33,00	39,60 EUR
Y H N N B		BS-678 Wall Mounting Speaker; Rated Input 6/3/1,5/0,8W/100V; Frequency Response 150Hz ~ 20kHz; SPL (1W / 1m) 94dB. Dimensions 190x250x110 mm, White	19,80	23,76 EUR
		BS-678B Wall Mounting Speaker; Rated Input 6/3/1,5/0,8W/100V; Frequency Response 150Hz ~ 20kHz; SPL (1W / 1m) 94dB. Dimensions 190x250x110 mm, Black	19,80	23,76 EUR
Y H N N B		BS-678T Wall Mounting Speaker with attenuator; Rated Input 6/3/1,5/0,8W/100V; Frequency Response 150Hz ~ 20kHz; SPL (1W / 1m) 94dB. Dimensions 190x250x110 mm, White	27,00	32,40 EUR
		BS-678BT Wall Mounting Speaker with attenuator; Rated Input 6/3/1,5/0,8W/100V; Frequency Response 150Hz ~ 20kHz; SPL (1W / 1m) 94dB. Dimensions 190x250x110 mm, Black	27,00	32,40 EUR
		EN54-24 compliant Metal Cabinet Speaker Ceramic terminal and thermal fuse; Rated Input 6/3/1,5/0,8W/100V; Frequency Response 150Hz ~ 20kHz; SPL (1W / 1m) 94dB. Dimensions 190x310x87,2 mm	50,00	60,00 EUR
F N N B		CS-64 Weatherproof Sound Projector; Rated Input 1; 3; 6W/100V; Frequency Response 130Hz ~ 13kHz; SPL (1W, 1m) 96dB. Speaker Component: 12 cm cone – type dynamic speaker (treated for splash proof) Dimensions: 233 x 224 x 208 mm	53,00	63,60 EUR
Y H N N B		CS-154 Weatherproof Speaker; Rated Input 5;10;15W/100V; Frequency Response 150Hz ~ 15kHz; SPL (1W / 1m) 97dB; IP64. Dimensions 366x230x272 mm	90,00	108,00 EUR
		H-1 H-1 2-Way Flush-Mount Design Speaker System; Rated Input 3;6;12W/100V; Frequency Response 120Hz ~ 20kHz; SPL (1W / 1m) 85dB Dimensions 312 x 126 x 90mm Rotatable cylinder enclosure with smooth curved surface blends in with modern interior. 8x5 sm cone woofer & 1" balanced dome tweeter	125,00	150,00 EUR

<i>E C P B R</i>	<i>Model</i>	<i>Description</i>	<i>EUR Netto (ex. VAT)</i>	<i>EUR + 20% DDS (incl. VAT)</i>
Y F N N B	 H-2	2-Way Design Surface-Mount Speaker System; Rated Input 12/6/3W/100V; Sensitivity 88dB/1W/1m; Frequency Response 100Hz ~ 20000Hz. Dimensions Φ268x111 mm	133,00	159,60 EUR
Y F N N B	 H-2WP	2-Way Design Surface-Mount Speaker System; Weatherproof IP64; Rated Input 12/6/3W/100V; Sensitivity 88dB/1W/1m; Frequency Response 100Hz ~ 20000Hz. Dimensions Φ268x111 mm	160,00	192,00 EUR
	 H-3	2-Way Wall-Mount Speaker System; Rated Input 7.5; 15; 30W/100V; Frequency Response 100Hz ~ 20kHz; SPL (1W / 1m) 89dB Dimensions W x H x D: 295 x 318 x 129mm Controlled 180° coverage pattern eliminates between-speaker audio dead spaces. Paintable grilles enhance interior decor	275,00	330,00 EUR
Y G N N B	 PC-2668	Surface Mounting Ceiling Speaker; Rated Input 0,8;1,5;3;6W/100V; Frequency Response 100Hz ~16kHz; SPL (1W, 1m) 90dB. Dimensions Φ 260x93 mm	24,00	28,80 EUR
Y H N N B	 PC-1867FC	EN54-24 compliant Flush Mount-Ceiling Speaker Fire dome, fire resistant baffle and rim. Ceramic terminal with thermal fuse. Rated Input 0,8;1,5;3;6W/100V; Frequency Response 100Hz ~16kHz; SPL (1W, 1m) 90dB. Dimensions Φ 180x110 mm. Ceiling hole Diameter 156 mm	41,00	49,20 EUR
Y H N N B	 PC-2369	Flush Mount-Ceiling Speaker; Rated Input 0,8;1,5;3;6W/100V; Frequency Response 45Hz ~20kHz (peak -20dB); SPL (1W, 1m) 93dB. Dimensions Φ 230x79 mm. Ceiling hole Diameter 200 mm	16,40	19,68 EUR
Y H N N B	 PC-2869	Flush Mount-Ceiling Speaker; Rated Input 0,8;1,5;3;6W/100V; Frequency Response 40Hz ~20kHz; SPL (1W, 1m) 94dB. Dimensions Φ 250x92 mm. Ceiling hole Diameter 250 mm	25,00	30,00 EUR
Y F N N B	 PC-2852	Flush Mount-Ceiling Speaker; Coaxial 2-way cone type; Rated Input 3;5;10;15/100V; Frequency Response 45Hz ~20kHz; SPL (1W, 1m) 96dB. Dimensions Φ 280x92 mm. Ceiling hole Diameter 250 mm	29,00	34,80 EUR
Y H N N B	 PC-3CL	Flush Mount-Ceiling Speaker; Clean room speaker; IP64; Rated Input 3W/100V; Frequency Response 150Hz ~20kHz; SPL (1W, 1m) 87dB. Dimensions Φ 139x104,5 mm. Ceiling hole Diameter 100 mm	90,00	108,00 EUR
Y H N N B	 PC-5CL	Flush Mount-Ceiling Speaker; Clean room speaker; IP64; Rated Input 5W/100V; Frequency Response 150Hz ~20kHz; SPL (1W, 1m) 87dB. Dimensions Φ 139x104,5 mm. Ceiling hole Diameter 100 mm	86,00	103,20 EUR
Y F N N B	 PC-644S	Flush Mount-Ceiling Speaker; Rated Input 0,8;1,5;3;6W/100V; Frequency Response 100Hz ~12kHz; SPL (1W, 1m) 90dB. Dimensions Φ 200x200x74 mm. Ceiling hole Diameter 143 mm	15,40	18,48 EUR
Y H N N B	 PC-648R	Flush Mount-Ceiling Speaker; Rated Input 1;3;6W/100V; Frequency Response 100Hz ~18kHz (peak -20dB); SPL (1W, 1m) 90dB. Dimensions Φ 168x77 mm. Ceiling hole Diameter 145 mm	10,00	12,00 EUR
Y H N N B	 PC-658R	Flush Mount-Ceiling Speaker; Rated Input 1;3;6W/100V; Frequency Response 65Hz ~18kHz (peak -20dB); SPL (1W, 1m) 90dB. Dimensions Φ 192x73 mm. Ceiling hole Diameter 170 mm	11,80	14,16 EUR
F N N B	 PE-64	Pendant Speaker System; Rated Input 1;3;6W/100V; Frequency Response 100Hz ~18kHz (peak -20dB); SPL (1W, 1m) 90dB. Speaker Component: 5" (12cm) cone-type Dimensions Φ 186x251 mm.	40,00	48,00 EUR
F N N B	 PE-304	Pendant Speaker System; Rated Input 5;10;15;30W/100V; Frequency Response 70Hz ~20kHz (peak -20dB); SPL (1W, 1m) 91dB. Speaker Component: 5" (12cm) cone-type + balanced dome tweeter Dimensions Φ 186x251 mm.	58,00	69,60 EUR

<i>E C P B R</i>	<i>Model</i>	<i>Description</i>	<i>EUR Netto (ex. VAT)</i>	<i>EUR + 20% DDS (incl. VAT)</i>
Y G N N B	 SC-610M	Horn Speakers; Rated Input 1;3;5;10W;100V Frequency Response 315Hz ~12,5kHz; SPL (1W / 1m) 110dB, IP65. Dimensions 172x161x188 mm	48,00	57,60 EUR
Y F N N B	 SC-615M	Horn Speakers; Rated Input 3;5;10;15W;100V Frequency Response 280Hz ~12,5kHz; SPL (1W / 1m) 112dB, IP65. Dimensions 229x179x234 mm	51,00	61,20 EUR
Y H N N B	 SC-630M	Horn Speakers; Rated Input 5;10;15;30W;100V Frequency Response 250Hz ~10kHz; SPL (1W / 1m) 113dB, IP65. Dimensions 285x227x277 mm	62,00	74,40 EUR
Y G N N B	 GS-302	Garden Speaker; Rated Input 3;5;10;15;30W/100V; Frequency Response 100Hz ~8kHz; SPL (1W / 1m) 87dB; IPx4. Dimensions Ø270x335(4) mm	118,00	141,60 EUR







Y

MICROPHONES



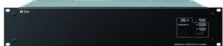


Y G N N B	 PM-222D	Unidirectional general-use moving coil microphone; Ambient background noise and handling suppression for optimal intelligibility; Hand-held push to talk microphone with heavy duty metallic body; 600 Ω rated impedance. Coiled 1-core shielded cable with phone plug.	33,00	39,60 EUR
Y G N N B	 PM-306D	Hand-held type. Built-in push to talk switch. 500 Ω impedance. Heavy-duty metallic body. Background and handling noise suppressed for high intelligibility. Effective at high ambient noise. Coiled cable with 5 pin DIN plug.	80,00	96,00 EUR
Y G N N B	 PM-660U	Desktop type dynamic microphone with cardioid polar pattern. Short-off press to talk switch with open OFF type extra switch contact. Low handling noise. 600 Ω balanced output impedance. 2.5m 4-conductor (included twin-core shielded) cable without plug.	73,00	87,60 EUR
Y G N N B	 RU-2001	Amplifier control unit for 5 pin DIN plug remote switch type paging microphone (PM-660D). Desktop or wall (standard bracket) mounting. Outputs remote control signals for main amplifier power ON / OFF, and for initiating all-call paging. Microphone volume control and talk ON indicator. Power supplied by locally available AC adaptor.	173,00	207,60 EUR

Y

AMPLIFIERS

Y G N N B	 A-2030	Mixer Amplifier 30W/100V; 3 MIC & 2 AUX Inputs, REC Output MIC1 Phantom power and Muting Bass & Treble tone control; Power, Signal & Peak indicators 24V DC Input Dimensions: 420x100.9x280.3 mm	126,00	151,20 EUR
	 A-2060	Mixer Amplifier 60W/100V; 3 MIC & 2 AUX Inputs, REC Output MIC1 Phantom power and Muting Bass & Treble tone control; Power, Signal & Peak indicators 24V DC Input Dimensions: 420x100.9x280.3 mm	148,00	177,60 EUR
	 A-2120	Mixer Amplifier 120W/100V; 3 MIC & 2 AUX Inputs, REC Output MIC1 Phantom power and Muting Bass & Treble tone control; Power, Signal & Peak indicators 24V DC Input Dimensions: 420x100.9x360.3 mm	204,00	244,80 EUR
	 A-2240	Mixer Amplifier 240W/100V; 3 MIC & 2 AUX Inputs, REC Output MIC1 Phantom power and Muting Bass & Treble tone control; Power, Signal & Peak indicators 24V DC Input Dimensions: 420x100.9x351.3 mm	345,00	414,00 EUR
	 P-2240	Power Amplifier 240W/100V; LINE Input & 100V Input 24V DC Input Dimensions: 420x100.9x351.3 mm	328,00	393,60 EUR
Y G N N B	 A-1812 ER	2 Zone Mixer Amplifier 120W/100V; 2 MIC; 3 AUX; Telephone Input; Emergency Input 24V DC Input; Power remote Dimensions: 420x107,7x367 mm	394,00	472,80 EUR

EC PBR	Model	Description	EUR Netto (ex. VAT)	EUR + 20% DDS (incl. VAT)
Y G N N B	 P-1812 ER	Power Amplifier 120W/100V; 24V DC Input; Power remote Dimensions: 420x107,7x367 mm	297,00	356,40 EUR
Y G N N B	 DA-250D	Dual Channel class D Power Amplifier 2 x 250W / 4Ω; 85% efficiency Dimensions: 482x44x401.8 mm 1HU	720,00	864,00 EUR
Y G N N B	 DA-250DH	Dual Channel class D Power Amplifier 2 x 250W / 70V; 85% efficiency Dimensions: 482x44x401.8 mm 1HU Optional Matching transformer: MT-251H	764,00	916,80 EUR
Y G N N B	 DA-250F	Multi-Channel class D Power Amplifier 4 x 250W / 4Ω; 85% efficiency Dimensions: 482x44x401.8 mm 1HU	1.100,00	1.320,00 EUR
Y G N N B	 DA-250FH	Multi-Channel class D Power Amplifier 4 x 250W / 100V, 70V; 85% efficiency Dimensions: 482x44x401.8 mm 1HU Optional Matching transformer: MT-251H	1.180,00	1.416,00 EUR
Y G N N B	 MT-251H	Matching Transformer designed for use with the DA-250FH & DA-250DH power amplifiers (option), the MT-251H electrically isolates the high-impedance speaker lines from the amplifier. Capacity: 0W – 250W; Primary Side: 100V line, 70V line; Secondary Side: 100V line, 70V line, 50V line, 35V line Dimensions: 108x80x122 mm, Weight 2.4kg	110,00	132,00 EUR
Y	VM-3000 SERIES			
Y G N N B	 VM-3240VA	EN 54-16 compliant Voice Alarm System Amplifier Max. 4 MIC/LINE inputs; 2 BGM inputs; Up to 4 Fireman's/Remote Microphones connectable 6 speaker zones (expandable up to 60 assignable speaker zones) Volume setting possible for each zone; Digital audio processed & controlled Full digital audio mixing (DSP); Built-in high quality electronic voice message Rated Output: 240W / 100V 24V DC Input Dimensions: 482 (W) × 132.6 (H) × 431.2 (D)mm, 3HU	1.518,00	1.821,60 EUR
Y G N N B	 VM-3360VA	EN 54-16 compliant Voice Alarm System Amplifier Max. 4 MIC/LINE inputs; 2 BGM inputs; Up to 4 Fireman's/Remote Microphones connectable 6 speaker zones (expandable up to 60 assignable speaker zones) Volume setting possible for each zone; Digital audio processed & controlled Full digital audio mixing (DSP); Built-in high quality electronic voice message Rated Output: 360W / 100V 24V DC Input Dimensions: 482 (W) × 132.6 (H) × 431.2 (D)mm, 3HU	1.782,00	2.138,40 EUR
Y G N N B	 VM-3240E	EN 54-16 compliant Extension Amplifier VM Link for connecting the VM-3240VA, VM-3360VA, VM-3240E & VM-3360E; Max. 800 m; EXT PA Link for connecting the VP-2241 or VP-2421; Max. distance: 5 m External Amp Input : 100V Line; 24V DC Input; 6 speaker zones with individual volume controls; Rated Output: 240W / 100V Dimensions: 482x132.6x460 mm, 3HU	1.294,00	1.552,80 EUR
Y G N N B	 VM-3360E	EN 54-16 compliant Extension Amplifier VM Link for connecting the VM-3240VA, VM-3360VA, VM-3240E & VM-3360E; Max. 800 m EXT PA Link for connecting the VP-2241 or VP-2421; Max. distance: 5 m External Amp Input : 100V Line; 24V DC Input; 6 speaker zones with individual volume controls; Rated Output: 360W / 100V Dimensions: 482x132.6x460 mm, 3HU	1.573,00	1.887,60 EUR
Y G N N B	 VP-2241	Power Amplifier 240W / 100V; Output Voltage / Impedance: 100V / 41Ω; 70V / 21Ω; 50V / 10Ω (selectable by the internal wiring change) EXT PA Link with optional VP-200VX Input Module 24V DC Input Dimensions: 482x88.4x340.5 mm, 2HU	652,00	782,40 EUR
Y G N N B	 VP-2421	Power Amplifier 420W / 100V; Output Voltage / Impedance: 100V / 24Ω; 70V / 12Ω; 50V / 6Ω (selectable by the internal wiring change) EXT PA Link with optional VP-200VX Input Module 24V DC Input Dimensions: 482x88.4x340.5 mm, 2HU	949,00	1.138,80 EUR
Y G N N B	 VP-200VX	The VP-200VX Power Amplifier Input Module is designed to be used in conjunction with the VP-2241 or VP-2421 power amplifier. Dimensions: 88x25.8x73.2 mm	24,00	28,80 EUR
Y G N N B	 RM-300MF	EN54-16 compliant VM-3000 System Fireman's Microphone Operation: Emergency key, Evacuate key, Alert key, Emergency reset key, CPU switch, Reset switch Indicator: Status, Power, Failure, CPU, Selection, Microphone, Broadcast status Power Source 24V DC (operating range: 15-40V DC, supplied from the VM-3000 system) Dimensions: 200x215x95 mm	510,00	612,00 EUR
Y G N N B	 RM-320F	EN54-16 compliant Fireman's Microphone Extension 20 Functional keys; 40 Status indicators Connection to RM-300MF by dedicated cable Dimensions: 175x215x70 mm	280,00	336,00 EUR

<i>E C P B R</i>	<i>Model</i>	<i>Description</i>	<i>EUR Netto (ex. VAT)</i>	<i>EUR + 20% DDS (incl. VAT)</i>
Y G N N B	 RM-200M	Remote Microphone for VM-3000 Microphone Unidirectional electret condenser microphone, gooseneck type. 10 Programmable function keys. Power Requirement 24 V DC (12-30 V DC), (Supplied from VM-3000 Amplifier or local power supply). Dimensions: 190x75,7x21,5mm (Gooseneck microphone excluded)	489,00	586,80 EUR
Y G N N B	 RM-210	Remote Microphone Extension Unit Extension unit for increasing the number of function keys of TOA's RM-200M Remote Microphones. Connection to RM-200M by way of dedicated Cable 10 Programmable function keys. Dimensions: 110x76,5x215mm	293,00	351,60 EUR
Y G N N B	 VX-2000DS	EN 54-4 compliant Emergency Power Supply Unit Power Requirement 230V AC, 50/60Hz; Power Consumption 240W max. Applicable Battery: YUASA NP series (12V x 2) Charging Method Trickle charging; Charging Current 5A max; Charging Voltage 27.3V ±0.3V (at 25°C) DC Power Output: 6x25A Dimensions: 482x88,4x377,6mm, 2HU	822,00	986,40 EUR
Y G N N B	 VX-200PS	EN 54-4 compliant Power Supply Unit VX-200PS is mounted in the VX-2000PF Power Supply Frame. Power Requirement: 230V AC (50/60Hz) Power Consumption: 580W PS OUT 2 DC output channels per unit. Rated output: 210W (29V, 7.25A) x 2; Peak output: 400W x 2 Dimensions: 135x118,2x333,8mm	381,00	457,20 EUR
Y G N N B	 VX-2000PF	The VX-2000PF permits the VX-2000PS Power Supply Unit to be mounted in an equipment rack. Up to three VX-200PS units can be installed in the unit. Dimensions: 482x132,6x324,8mm, 3HU	153,00	183,60 EUR