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40 Years of Amplifying the Beat

Setting the Standard in DJ Audio Excellence



PROFESSIONAL D. J. SOUND SOLUTIONS

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UNIT-2

UNIT-1

CLUSTER F
PLOT NOS
174 to 167

ELSA ELECTRONICS



Late Sh. Jag Bhushan Jain
Founder of Elsa Electronics
(1979 - 2020)

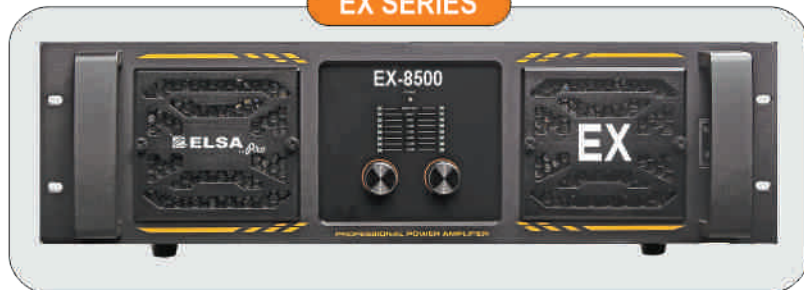
Our journey has always been about laying the foundation stone by stone. Each amplifier we produce embodies our commitment to precision, innovation, and superior sound quality. As the founder and director, I am proud to present our latest collection, meticulously crafted to elevate your audio experience. Join us in transforming every beat into an unforgettable moment.

At ELSA PRO, we believe in laying the foundation stone by stone, building not just amplifiers but a legacy of sound and innovation. Each product we create is a testament to our commitment to quality and excellence. We're dedicated to delivering unmatched audio experiences, empowering DJs to reach new heights with every beat. Join us on this journey, and together, let's amplify greatness, one stone at a time."

LAY THE FOUNDATION STONE BY STONE AND BUILD GREATNESS WITH EVERY STEP.



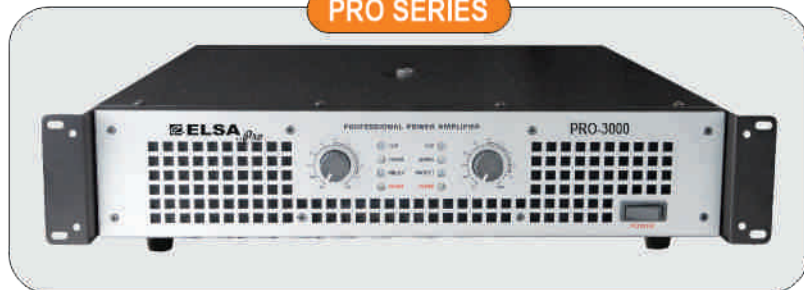
EX SERIES



PRO SERIES



PRO SERIES



5K SERIES



EBA BT SERIES



EBA SERIES



DUAL CHANNEL POWER AMPLIFIERS

EX SERIES



MODEL	EX-8500	EX-7500	EX-6500	EX-5500	EX-5000
8Ω Stereo Power	2 x 2000W	2x1800W	2x1500W	2x1300W	2x1100W
4Ω Stereo Power	2 x 3000W	2x2700W	2x2300W	2x2000W	2x1700W
2Ω Stereo Power	2 x 4000W	2x3600W	2x3100W	2x2700W	2x2300W
8Ω BTL	6300W	5800W	4700W	4100W	3500W
4Ω BTL	8500W	7100W	6400W	5500W	4700W
OUTPUT CIRCUITRY	CLASS H				
FREQUENCY RESPONSE	20-20000Hz(±0.3dB)				
THD + N	<0.08%1KHz				
S/N RATIO	≥100dB				
SLEW RATIO	25V/uS				
DAMPING FACTOR	≥500:1				
CROSSTALK	≥62dB@1KHz				
INPUT IMPEDANCE	20KΩ(Balanced,Stereo) /10KΩ(Unblanced,Paralled)				
INPUT SENSITIVITY	0.775V/1.0V/1.4V				
HEIGHT	3U	2U	3U	3U	3U
WEIGHT	47Kg.	46Kg.	44.5Kg.	42.5Kg.	40.5Kg.
PACKING SIZE	770x590x210	770x590x210	770x590x210	730x590x210	730x590x210

Protection

with over-current, DC, overheat, short circuit protections, the main power protected by fuse, to ensure the safety of the whole unit, to enable users using it more safely and securely



MODEL	PRO-4000
2Ω EIA 1 KHZ 1% THD	1900W
4Ω EIA 1 KHZ 1% THD	1450W
8Ω EIA 1 KHZ 1% THD	925W
8Ω BRIDGE	2400W
4Ω BRIDGE	3700W
DISTORTION (SMPTE-1M)	<0.03%
S/N RATIO	>100dB
DAMPING FACTOR	>450 @ 8Ω
FREQUENCY RESPONSE	20Hz - 20kHz
EIA RACK SIZE	3U
DIMENSIONS	482 x 132 x 483 mm
WEIGHT	35Kg.

Protection

with over-current, DC, overheat, short circuit protections, the main power protected by fuse, to ensure the safety of the whole unit, to enable users using it more safely and securely



MODEL	PRO-3500
2Ω EIA 1 KHZ 1% THD	1550W
4Ω EIA 1 KHZ 1% THD	1150W
8Ω EIA 1 KHZ 1% THD	700W
8Ω BRIDGE	2000W
4Ω BRIDGE	2800W
DISTORTION (SMPTE-1M)	<0.03%
S/N RATIO	>100dB
DAMPING FACTOR	>450 @ 8Ω
FREQUENCY RESPONSE	20Hz - 20kHz
EIA RACK SIZE	3U
DIMENSIONS	482 x 132 x 483 mm
WEIGHT	28Kg.

Protection

with over-current, DC, overheat, short circuit protections, the main power protected by fuse, to ensure the safety of the whole unit, to enable users using it more safely and securely


PRO 2000 / 3000

MODEL	PRO-2000	PRO-3000
2Ω EIA 1 KHZ 1% THD	900W	1250W
4Ω EIA 1 KHZ 1% THD	640W	800W
8Ω EIA 1 KHZ 1% THD	400W	500W
8Ω BRIDGE	1200W	1500W
4Ω BRIDGE	1600W	2300W
DISTORTION (SMPTE-1M)	<0.03%	<0.03%
S/N RATIO	>95dB	
DAMPING FACTOR	>400	
FREQUENCY RESPONSE	20Hz - 20kHz	
EIA RACK SIZE	2U	
DIMENSIONS	482 x 88 x 453 mm	
WEIGHT	21Kg.	24Kg.

Protection

with over-current, DC, overheat, short circuit protections, the main power protected by fuse, to ensure the safety of the whole unit, to enable users using it more safely and securely

DUAL CHANNEL POWER AMPLIFIERS



2K / 3K / 4K / 5K

Model	2K	3K	4K	5K
2Ω stereo power**	1000WX 2	1250WX 2	2000WX 2	2500WX 2
Freq. response	20Hz-20KHz(±0.5dB)			
THD+N	<0.05%			
Slew rate	20V/us			
Damping factor	>450@8Ω			
Dynamic range	>90dB			
S/N rate	>80dB			
Input sensitivity	0.775V rms			
Input impedance (Bal./unbal.)	Balance 20K/unbalance 10K			
Output circuit class	2 steps class H		3 steps class H	
Hi-Pass Filter	30Hz@3dB		30Hz@3dB	
Lo-Pass Filter	150Hz@3dB		150Hz@3dB	
Protection	Clip/limit, DC short circuit, switch on/off zero impact, soft start, VHF			
Cooling air-flow	Airflow from front panel to rear panel			
Input voltage/frequency	-220V±10%/50Hz			

Power tested under the condition of 20ms burst, 1KHz sine wave and 1% THD. Others power tested under the condition of 40ms burst, 1KHz sine wave and 1% THD.

ELSA reserves the right to make any changes to the product specifications without prior notice. Final specifications to be found in the user manual.

- Applications with signal processing requirements.

The EBA BT series are the best solution for those space-constricted installed sound reinforcement applications where sonic quality and system performance are required on a long-term full-power operating basis. Implementing ELSA high efficiency P. A. amplifiers provide an unprecedented acoustic fidelity on the P. A. amplifiers range.

Applications:

- P.A. sound system.
- Small sized bar / café / lounge installation.
- Applications with signal processing requirements.
- Mobile / Portable public address or monitoring amplification.



EBA BT SERIES

MODEL	EBA-600 BT	EBA-1000 BT	EBA-1200 BT	EBA-1600 BT
POWER OUTPUT	650W RMS	1000W RMS	1250W RMS	1600W RMS
INPUT CHANNEL	1 x Line 1V / 200mV / 10kΩ Swichtable			
OUTPUT CHANNEL	1 x Line 1V / 1KΩ			
FREQUENCY RESPONSE	50 - 15k Hz ± 3dB			
TONE CONTROL	Bass : ± 10dB at 100Hz Mid : ± 10dB at 100Hz Treble : ± 10dB at 10K Hz			
SPEAKER OUTPUT	2Ω, 4Ω, 70V & 100V			
POWER SUPPLY	AC : 220 - 240 V 50/60 Hz DC: 24V (2 Car Battery)			
MULTIMEDIA PLAYER	MP3 PLAYER WITH RECORDER / BLUETOOTH / USB / MMC / REMOTE CONTROL			
FM RECEIVER	88 - 108 MKz TUNNING RANGE			
RACK SIZE	3U	3U	3U	3U

Power tested under the condition of 20ms burst, 1KHz sine wave and 1% THD. Others power tested under the condition of 40ms burst, 1KHz sine wave and 1% THD.

- Box Speaker / Driver Unit Selector Switch.
- Ideal for Large Operation, where High Power Output is Required.
- Resettable circuit breaker for protection against overload and short circuit.



ELSA reserves the right to make any changes to the product specifications without prior notice. Final specifications to be found in the user manual.

- Applications with signal processing requirements.

The EBA series are the best solution for those space-constricted installed sound reinforcement applications where sonic quality and system performance are required on a long-term full-power operating basis. Implementing ELSA high efficiency P. A. amplifiers provide an unprecedented acoustic fidelity on the P. A. amplifiers range.

Applications:

- P.A. sound system.
- Small sized bar / café / lounge installation.
- Applications with signal processing requirements.
- Mobile / Portable public address or monitoring amplification.



EBA SERIES

MODEL	EBA-600	EBA-1000	EBA-1200	EBA-1600
POWER OUTPUT	650W RMS	1000W RMS	1250W RMS	1600W RMS
INPUT CHANNEL	1 x Line 1V / 200mV / 10kΩ Swichtable			
OUTPUT CHANNEL	1 x Line 1V / 1KΩ			
FREQUENCY RESPONSE	50 - 15k Hz ± 3dB			
TONE CONTROL	Bass : ± 10dB at 100Hz Mid: ± 10dB at 100Hz Treble: ± 10dB at 10K Hz			
SPEAKER OUTPUT	2Ω, 4Ω, 70V & 100V			
POWER SUPPLY	AC : 220 - 240 V 50/60 Hz DC: 24V (2 Car Battery)			
RACK SIZE	3U	3U	3U	3U

- Box Speaker / Driver Unit Selector Switch.
- Ideal for Large Operation, where High Power Output is Required.
- Resettable circuit breaker for protection against overload and short circuit.

Power tested under the condition of 20ms burst, 1KHz sine wave and 1% THD. Others power tested under the condition of 40ms burst, 1KHz sine wave and 1% THD.

ELSA reserves the right to make any changes to the product specifications without prior notice. Final specifications to be found in the user manual.

- Applications with signal processing requirements.

PROFESSIONAL DJ SPEAKERS



DIA	12"	SIZE	155 x 20
WATTAGE	200W	VOICE COIL	1.500"



DIA	12"	SIZE	155 x 20
WATTAGE	200W	VOICE COIL	2"



DIA	12"	SIZE	180 x 20
WATTAGE	400W	VOICE COIL	3"



DIA	12"	SIZE	190 x 20
WATTAGE	500W	VOICE COIL	3"



DIA	15"	SIZE	190 x 20
WATTAGE	400W	VOICE COIL	3"



DIA	15"	SIZE	190 x 20
WATTAGE	500W	VOICE COIL	3"



DIA	15"	SIZE	220 x 25
WATTAGE	1000W	VOICE COIL	4"

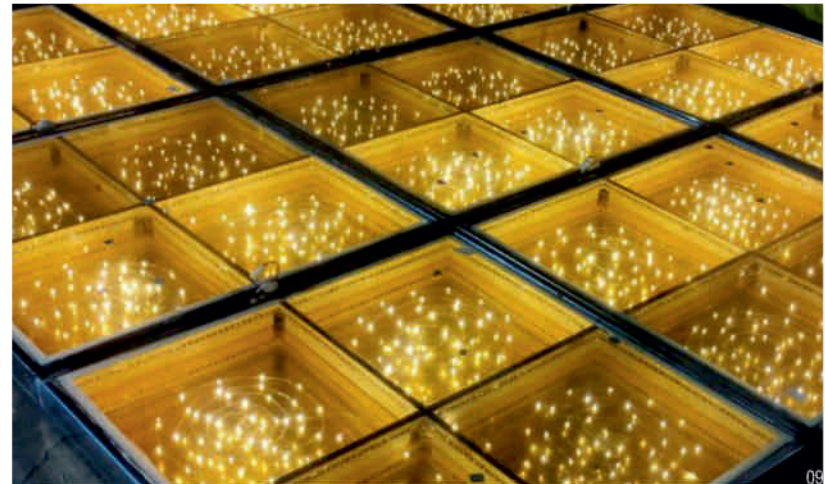
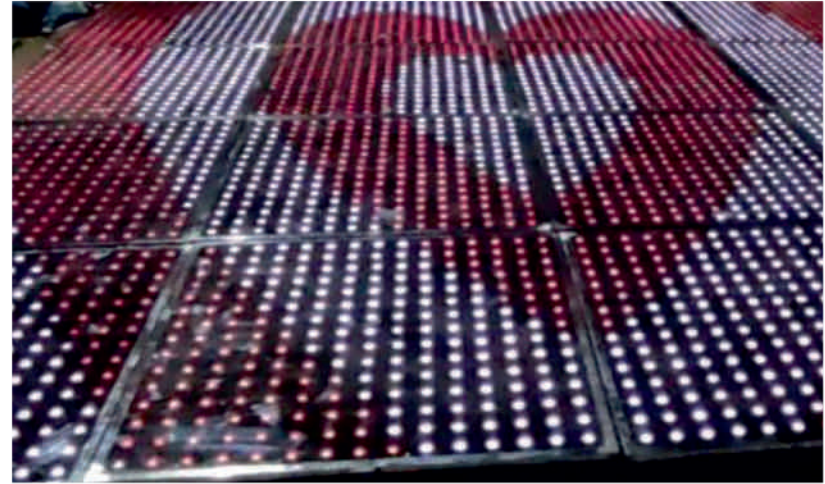
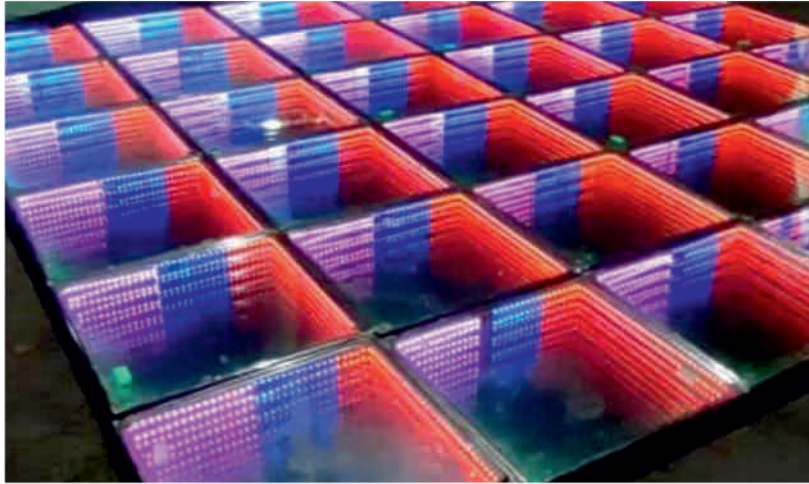


DIA	18"	SIZE	250 x 25
WATTAGE	1200W	VOICE COIL	4.500"



DIA	18"	SIZE	280 x 30
WATTAGE	2000W	VOICE COIL	5.500"

PROFESSIONAL LED DISCO FLOORS



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The USB 350 FAN series are the best solution for those space-constricted installed sound reinforcement applications where sonic quality and system performance are required on a long-term full-power operating basis. Implementing ELSA high efficiency P. A. amplifiers provide an unprecedented acoustic fidelity on the P. A. amplifiers range.

Applications:

- P. A. sound system.
- Small sized bar / café / lounge installation.
- Applications with signal processing requirements.
- Mobile / Portable public address or monitoring amplification.



USB 350 FAN

Specifications

Power Output	: 350 Watts RMS at 10% THD 450 Watts Max.		
Input Channels	: MIC:6 mic 0.65 mV/4.7KΩ. AUX: 2 x AUX 100mV / 470kΩ.		
Freq. Resp.	: 50 - 15k Hz ± 3dB		
Tone Controls	: Bass :±10dB at 100Hz Treble: ± 10dB at 10K Hz		
Speaker Output	: 4Ω, 8Ω, 16Ω , 70V & 100V		
Line Output	: Line Out IV/1kΩ	Preamp Out	: 200mV / 600Ω
Power Supply	: AC : 220 - 240 V 50/60 Hz DC: 24V (2 Car Battery)		
Multimedia Player/Rec	: MP3 Player / Recorder with Bluetooth / USB / MMC / SD With Remote Control		
FM Receiver	: 88 - 108 MHz Tuning range		
Echo Reverb System	: 60ms to 300ms, 300ms to 500ms, 500 ms to 650ms Delay Time : 20ms to 600ms		
Dimension	: L 525 x W 397 x H 210 mm		
Weight	: GW-16.350 gsm.		

Power tested under the condition of 20ms burst, 1KHz sine wave and 1% THD. Others power tested under the condition of 40ms burst, 1KHz sine wave and 1% THD.

ELSA reserves the right to make any changes to the product specifications without prior notice. Final specifications to be found in the user manual.

- Applications with signal processing requirements.



The TZA 4000 USB series are the best solution for those space-constricted installed sound reinforcement applications where sonic quality and system performance are required on a long-term full-power operating basis. Implementing ELSA high efficiency P. A. amplifiers provide an unprecedented acoustic fidelity on the P. A. amplifiers range.

Applications:

- P.A. sound system.
- Small sized bar / café / lounge installation.
- Applications with signal processing requirements.
- Mobile / Portable public address or monitoring amplification.



TZA 4000 USB

Specifications

Power Output	: 300W+300 Max., 600W RMS at 10% THD 450 Watts Max.
	: 180W + 180W at 5% TDS 165W + 165W at 2% TDS
Output Regulation	: <2dB, No Load to full load at 1 KHz
Input Channels	: MIC:6 mic 0.6 mV/4.7KΩ. AUX: 2 x AUX 100mV / 470kΩ.
Freq. Resp.	: 50 - 15000 Hz ± 3dB
Signal to Noise Ratio	: 60dB
Tone Controls	: Bass :±10dB at 100Hz Treble: ± 10dB at 10K Hz
Output	: Preamp 200mV / 600Ω, Line 1V/1kΩ
Speaker Output	: 4Ω, 8Ω, 70V & 100V
Digital Receiver	: Mp3 Player / Recorder with Bluetooth / USB / MMC / SD with Remote Control
FM Receiver	: 88 - 108 MHz Tuning range
Power Supply	: AC : 220 - 240 V 50/60 Hz DC: 24V (2 Car Battery)
Power Consumption	: AC 700VA DC: 9A
Dimensions	: W510 x H172 x D385
Weight	: 24 Kg

Power tested under the condition of 20ms burst, 1KHz sine wave and 1% THD. Others power tested under the condition of 40ms burst, 1KHz sine wave and 1% THD.

ELSA reserves the right to make any changes to the product specifications without prior notice. Final specifications to be found in the user manual.

- Applications with signal processing requirements.



The USB 5000 M series are the best solution for those space-constricted installed sound reinforcement applications where sonic quality and system performance are required on a long-term full-power operating basis. Implementing ELSA high efficiency P. A. amplifiers provide an unprecedented acoustic fidelity on the P. A. amplifiers range.

Applications:

- P.A. sound system.
- Small sized bar / café / lounge installation.
- Applications with signal processing requirements.
- Mobile / Portable public address or monitoring amplification.



USB 5000 M

Specifications

Power Output	: 500 Watts RMS at 10% THD 750 Watts Max.		
Input Channels	: MIC:7 mic 0.8 mV/4.7kΩ. AUX: 2 x AUX 100mV / 470kΩ.		
Freq. Resp.	: 50 - 15k Hz ± 3dB		
Tone Controls	: Bass :±10dB at 100Hz Treble: ± 10dB at 10K Hz		
Speaker Output	: 4Ω, 8Ω, 70V & 100V		
Line Output	: Line Out IV/1kΩ	Preamp Out	: 200mV / 600Ω
Power Supply	: AC : 220 - 240 V 50/60 Hz DC: 36V (3 Car Battery)		
Multimedia Player/Rec	: MP3 Player / Recorder with Bluetooth / USB / MMC / SD With Remote Control		
FM Receiver	: 88 - 108 MHz Tuning range		
Dimension	: W510 x H172 x D385		
Weight	: 22 Kg		

Power tested under the condition of 20ms burst, 1KHz sine wave and 1% THD. Others power tested under the condition of 40ms burst, 1KHz sine wave and 1% THD.

ELSA reserves the right to make any changes to the product specifications without prior notice. Final specifications to be found in the user manual.

- Applications with signal processing requirements.



The USB 3500 FM series are the best solution for those space-constricted installed sound reinforcement applications where sonic quality and system performance are required on a long-term full-power operating basis. Implementing ELSA high efficiency P. A. amplifiers provide an unprecedented acoustic fidelity on the P. A. amplifiers range.

Applications:

- P.A. sound system.
- Small sized bar / café / lounge installation.
- Applications with signal processing requirements.
- Mobile / Portable public address or monitoring amplification.



USB 3500 FM

Specifications

Power Output	: 350 Watts RMS at 10% THD 450 Watts Max.		
Input Channels	: MIC:6 mic 0.65 mV/4.7KΩ. AUX: 2 x AUX 100mV / 470kΩ.		
Freq. Resp.	: 50 - 15k Hz ± 3dB		
Tone Controls	: Bass :±10dB at 100Hz Treble: ± 10dB at 10K Hz		
Speaker Output	: 4Ω, 8Ω, 16Ω , 70V & 100V		
Line Output	: Line Out IV/1kΩ	Preamp Out	: 200mV / 600Ω
Power Supply	: AC : 220 - 240 V 50/60 Hz DC: 24V (2 Car Battery)		
Multimedia Player/Rec	: MP3 Player / Recorder with Bluetooth / USB / MMC / SD With Remote Control		
FM Receiver	: 88 - 108 MHz Tuning range		
Echo Reverb System	: 60ms to 300ms, 300ms to 500ms, 500 ms to 650ms Delay Time : 20ms to 600ms		
Dimension	: L 525 x W 397 x H 210 mm		
Weight	: GW-16.350 gsm.		

Power tested under the condition of 20ms burst, 1KHz sine wave and 1% THD. Others power tested under the condition of 40ms burst, 1KHz sine wave and 1% THD.

ELSA reserves the right to make any changes to the product specifications without prior notice. Final specifications to be found in the user manual.

- Applications with signal processing requirements.



The USB 2500 FM series are the best solution for those space-constricted installed sound reinforcement applications where sonic quality and system performance are required on a long-term full-power operating basis. Implementing ELSA high efficiency P. A. amplifiers provide an unprecedented acoustic fidelity on the P. A. amplifiers range.

Applications:

- P. A. sound system.
- Small sized bar / café / lounge installation.
- Applications with signal processing requirements.
- Mobile / Portable public address or monitoring amplification.



USB 2500 FM

Specifications

Power Output	: 250 Watts RMS at 10% THD 300 Watts Max.
Input Channels	: MIC:6 mic 0.65 mV/4.7KΩ. AUX: 2 x AUX 100mV / 470kΩ.
Freq. Resp.	: 50 - 15k Hz ± 3dB
Tone Controls	: Bass :±10dB at 100Hz Treble: ± 10dB at 10K Hz
Speaker Output	: 4Ω, 8Ω, 16Ω , 70V & 100V
Line Output	: Line Out IV/1kΩ
Power Supply	: AC : 220 - 240 V 50/60 Hz DC: 24V (2 Car Battery)
Multimedia Player/Rec	: MP3 Player / Recorder with Bluetooth / USB / MMC / SD With Remote Control
FM Receiver	: 88 - 108 MHz Tuning range
Echo Reverb System	: 60ms to 300ms, 300ms to 500ms, 500 ms to 650ms Delay Time : 20ms to 600ms
Dimension	: L 525 x W 397 x H 210 mm
Weight	: GW-16.350 gsm.

Power tested under the condition of 20ms burst, 1KHz sine wave and 1% THD. Others power tested under the condition of 40ms burst, 1KHz sine wave and 1% THD.

ELSA reserves the right to make any changes to the product specifications without prior notice. Final specifications to be found in the user manual.

- Applications with signal processing requirements.



The USB 1600 FM series are the best solution for those space-constricted installed sound reinforcement applications where sonic quality and system performance are required on a long-term full-power operating basis. Implementing ELSA high efficiency P. A. amplifiers provide an unprecedented acoustic fidelity on the P. A. amplifiers range.

Applications:

- P. A. sound system.
- Small sized bar / café / lounge installation.
- Applications with signal processing requirements.
- Mobile / Portable public address or monitoring amplification.



Specifications

Power Output	: 160 Watts RMS at 10% THD 220 Watts Max.
Input Channels	: MIC:5 mic 0.65 mV/4.7KΩ. AUX: 2 x AUX 100mV / 470kΩ.
Freq. Resp.	: 50 - 15k Hz ± 3dB
Tone Controls	: Bass :±10dB at 100Hz Treble: ± 10dB at 10K Hz
Speaker Output	: 4Ω, 8Ω, 16Ω , 70V & 100V
Line Output	: Line Out IV/1kΩ
Power Supply	: AC : 220 - 240 V 50/60 Hz DC: 24V (2 Car Battery)
Multimedia Player/Rec	: MP3 Player / Recorder with Bluetooth / USB / MMC / SD With Remote Control
FM Receiver	: 88 - 108 MHz Tuning range
Echo Reverb System	: 60ms to 300ms, 300ms to 500ms, 500 ms to 650ms Delay Time : 20ms to 600ms
Dimension	: L 510 x W 375 x H 225 mm
Weight	: GW-13.100 gsm.

Power tested under the condition of 20ms burst, 1KHz sine wave and 1% THD. Others power tested under the condition of 40ms burst, 1KHz sine wave and 1% THD.

ELSA reserves the right to make any changes to the product specifications without prior notice. Final specifications to be found in the user manual.

- Applications with signal processing requirements.



The USB 1200 FM series are the best solution for those space-constricted installed sound reinforcement applications where sonic quality and system performance are required on a long-term full-power operating basis. Implementing ELSA high efficiency P. A. amplifiers provide an unprecedented acoustic fidelity on the P. A. amplifiers range.

Applications:

- P.A. sound system.
- Small sized bar /café /lounge installation.
- Applications with signal processing requirements.
- Mobile /Portable public address or monitoring amplification.



Specifications

Power Output	: 120 Watts RMS at 10% THD 160 Watts Max.
Input Channels	: MIC:5 mic 0.65 mV/4.7KΩ. AUX: 2 x AUX 100mV / 470kΩ.
Freq. Resp.	: 50 - 15k Hz ± 3dB
Tone Controls	: Bass :±10dB at 100Hz Treble: ± 10dB at 10K Hz
Speaker Output	: 4Ω, 8Ω, 16Ω , 70V & 100V
Line Output	: Line Out IV/1kΩ
Power Supply	: AC : 220 - 240 V 50/60 Hz DC: 12V (12V Car Battery)
Multimedia Player/Rec	: MP3 Player / Recorder with Bluetooth / USB / MMC / SD With Remote Control
FM Receiver	: 88 - 108 MHz Tuning range
Echo Reverb System	: 60ms to 300ms, 300ms to 500ms, 500 ms to 650ms Delay Time : 20ms to 600ms
Dimension	: L 510 x W 375 x H 225 mm
Weight	: GW-13.100 gsm.

Power tested under the condition of 20ms burst, 1KHz sine wave and 1% THD. Others power tested under the condition of 40ms burst, 1KHz sine wave and 1% THD.

ELSA reserves the right to make any changes to the product specifications without prior notice. Final specifications to be found in the user manual.

- Applications with signal processing requirements.



The USB 800 FM series are the best solution for those space-constricted installed sound reinforcement applications where sonic quality and system performance are required on a long-term full-power operating basis. Implementing ELSA high efficiency P. A. amplifiers provide an unprecedented acoustic fidelity on the P. A. amplifiers range.

Applications:

- P. A. sound system.
- Small sized bar / café / lounge installation.
- Applications with signal processing requirements.
- Mobile / Portable public address or monitoring amplification.



USB 800 FM



Specifications

Power Output	: 80 Watts RMS at 10% THD 100 Watts Max.
Input Channels	: MIC:4 mic 0.65 mV/4.7KΩ. AUX: 1 x AUX 100mV / 470kΩ.
Freq. Resp.	: 50 - 15k Hz ± 3dB
Tone Controls	: Bass :±10dB at 100Hz Treble: ± 10dB at 10K Hz
Speaker Output	: 4Ω, 8Ω, 16Ω , 70V & 100V
Line Output	: IV/1kΩ
Power Supply	: AC : 220 - 240 V 50/60 Hz DC: 12V (12V Car Battery)
Multimedia Player/Rec	: MP3 Player / Recorder with Bluetooth / USB / MMC / SD With Remote Control
FM Receiver	: 88 - 108 MHz Tuning range
Echo Reverb System	: 60ms to 300ms, 300ms to 500ms, 500 ms to 650ms Delay Time : 20ms to 600ms
Dimension	: L 440 x W 360 x H 160 mm
Weight	: GW-7.200 gsm.

Power tested under the condition of 20ms burst, 1KHz sine wave and 1% THD. Others power tested under the condition of 40ms burst, 1KHz sine wave and 1% THD.

ELSA reserves the right to make any changes to the product specifications without prior notice. Final specifications to be found in the user manual.

- Applications with signal processing requirements.



The USB 560 FM series are the best solution for those space-constricted installed sound reinforcement applications where sonic quality and system performance are required on a long-term full-power operating basis. Implementing ELSA high efficiency P. A. amplifiers provide an unprecedented acoustic fidelity on the P. A. amplifiers range.

Applications:

- P. A. sound system.
- Small sized bar / café / lounge installation.
- Applications with signal processing requirements.
- Mobile / Portable public address or monitoring amplification.



USB 560 FM



Specifications

Power Output	: 60 Watts RMS at 10% THD 80 Watts Max.
Input Channels	: MIC:3 mic 0.65 mV/4.7KΩ. AUX: 1 x AUX 100mV / 470kΩ.
Freq. Resp.	: 50 - 15k Hz ± 3dB
Tone Controls	: Bass : ±10dB at 100Hz Treble: ± 10dB at 10K Hz
Speaker Output	: 4Ω, 8Ω, 16Ω , 100V
Line Output	: IV/1kΩ
Power Supply	: AC : 220 - 240 V 50/60 Hz DC: 12V (12V Car Battery)
Multimedia Player/Rec	: MP3 Player/Recorder with Bluetooth/USB/MMC/SD With Remote Control
FM Receiver	: 88 - 108 MHz Tuning range
Echo Reverb System	: 60ms to 300ms, 300ms to 500ms, 500 ms to 650ms
Dimension	: L 380 x W 363 x H 145 mm
Weight	: GW-5.600 gsm.

Power tested under the condition of 20ms burst, 1KHz sine wave and 1% THD. Others power tested under the condition of 40ms burst, 1KHz sine wave and 1% THD.

ELSA reserves the right to make any changes to the product specifications without prior notice. Final specifications to be found in the user manual.

- Applications with signal processing requirements.



The USB 45 / USB 30 series are the best solution for those space-constricted installed sound reinforcement applications where sonic quality and system performance are required on a long-term full-power operating basis. Implementing ELSA high efficiency P. A. amplifiers provide an unprecedented acoustic fidelity on the P. A. amplifiers range.



USB 30 / 45

Specifications

MODEL	USB 30	USB 45
POWER OUTPUT	30W RMS at 10% THD 40 Watts Max.	45W RMS at 10% THD 60 Watts Max.
INPUT CHANNELS	MIC:2 mic 0.65 mV/4.7K Ω . AUX: 1 x AUX 100mV / 470k Ω .	
FREQUENCY RESPONSE	50 - 15k Hz $\pm$ 3dB	
TONE CONTROLS	$\pm$ 10dB at 10K Hz	
SPEAKER OUTPUT	8 Ω , 16 Ω , 100V	4 Ω , 8 Ω , 16 Ω , 100V
LINE OUTPUT	IV/1k Ω	
POWER SUPPLY	AC : 220 - 240 V 50/60 Hz DC: 12V (12V Car Battery)	
MULTIMEDIA PLAYER / REC.	MP3 Player/Recorder with Bluetooth/USB/MMC/SD With Remote Control	
FRM RECEIVER	88 - 108 MHz Tuning range	
DIMENSIONS	260 x 215 x 70mm	360 x 275 x 155mm
WEIGHT	GW 3.10 Kg.	GW 4.540 Kg.

Power tested under the condition of 20ms burst, 1KHz sine wave and 1% THD. Others power tested under the condition of 40ms burst, 1KHz sine wave and 1% THD.

ELSA reserves the right to make any changes to the product specifications without prior notice. Final specifications to be found in the user manual.
- Applications with signal processing requirements.

