

CELTO Acoustique
INDIA PRODUCT RANGE
2023

“ENGINEERED BEYOND EXPECTATION”

Fix Installation Series Speaker

CELTO
ACOUSTIQUE

iFIX6 G2

Fix Installation Series



AT A GLANCE

- Real 150W RMS with high-end audiophile sound quality
- Coaxial transducer for unmatched spacial coherence
- Audiophile grade crossover with Right-Phase topology
- Birch plywood cabinet with smooth texture or varnish finish
- Full range with deep and warm bass
- HF compression driver with Ketone Polymer dome
- Multi-functional yoke with dented ring for secured angles
- Available in Black, White and Natural colors



SPECIFICATIONS

Power handling (AES Standard)	150W RMS / 600W Peak
Nominal impedance	12 Ohm
Frequency response (-6dB half space, no EQ)	65-22000Hz
Manufacturing Consistency tolerance	±2dB from 300 to 12000Hz
Average Sensitivity (wideband 200-16000Hz)	90dB/W/m
Calculated Maximum SPL / 1m	111dB continuous / 117dB Peak
Nominal Directivity (-6dB)	85° conical above 800Hz
Recommended low cut filter	30Hz 24dB/oct. in full range mode 60-140Hz with subwoofer
Low Frequency driver	Custom 8" Coaxial CELTO Acoustique Ferrite magnet, 1.5" Voice coil
High Frequency driver	0.75" exit (Coaxial) 1.1" Ketone polymer diaphragm
Crossover	Passive mode only 2500Hz, 12dB/oct on LF, 18dB/oct on HF
Flying hardware	Integrated Multi-function Yoke
Connectors	Screen terminals with banana plug
Cabinet	CNC made with tongue and groove assembly 12 mm birch plywood
Finish	Smooth textured coating (Black and White colors) or Varnish finish (Natural and Oak colors)
Size (HxWxD)	260x190x250mm
Weight	5.5kg net, 7kg gross

CELTO
ACOUSTIQUE

iFIX7 G2

Fix Installation Series



AT A GLANCE

- Real 200W RMS with high-end audiophile sound quality
- Coaxial transducer for unmatched spacial coherence
- Audiophile grade crossover with Right-Phase topology
- Birch plywood cabinet with smooth texture or varnish finish
- Full range with deep and warm bass
- HF compression driver with Ketone Polymer dome
- Multi-functional yoke with dented ring for secured angles
- Available in Black, White and Natural colors



SPECIFICATIONS

Power handling (AES Standard)	200W RMS / 800W Peak
Nominal impedance	8 Ohm
Frequency response (-6dB half space, no EQ)	52-22000Hz
Manufacturing Consistency tolerance	±2dB from 300 to 12000Hz
Average Sensitivity (wideband 200-16000Hz)	92dB/W/m
Calculated Maximum SPL / 1m	115dB continuous / 121dB Peak
Nominal Directivity (-6dB)	80° conical above 1000Hz
Recommended low cut filter	30Hz 24dB/oct. in full range mode 60-140Hz with subwoofer
Low Frequency driver	Custom 8" coaxial CELTO Acoustique Ferrite magnet, 2" Voice coil
High Frequency driver	0.75" exit (Coaxial) 1.1" Ketone Polymer diaphragm
Crossover	Passive mode only 2500Hz, 12dB/oct on LF, 18dB/oct on HF
Flying hardware	Integrated Multi-function Yoke
Connectors	Screen terminals with banana plug
Cabinet	CNC made with tongue and groove assembly 15 mm birch plywood
Finish	Smooth textured coating (Black and White colors) or Varnish finish (Natural and Oak colors)
Size (HxWxD)	330X380X480mm
Weight	10.5kg net / 12.3kg gross

Fix Installation Series Speaker

CELTO
ACOUSTIQUE

iFIX8

Fix Installation Series



AT A GLANCE

- Real 150W RMS with high-end sound quality
- Coaxial transducer for unmatched spacial coherence
- Audiophile grade crossover with Right-Phase topology
- Birch plywood cabinet with smooth texture or varnish finish
- High Efficiency for incredible SPL to Size ratio
- HF compression driver with Treated Titanium dome
- Multi-functional yoke with dented ring for secured angles
- Available in Black, White and Natural colors



SPECIFICATIONS

Power handling (AES Standard)	150W RMS / 800W Peak
Nominal Impedance	12 Ohm
Frequency response (-6dB half space, no EQ)	95-18000Hz
Manufacturing Consistency tolerance	±2dB from 300 to 12000Hz
Average Sensitivity (wideband 200-16000Hz)	94dB/W/m
Calculated Maximum SPL / 1m	116dB continuous / 122dB Peak
Nominal Directivity (-6dB)	80° conical above 1000Hz
Recommended low cut filter	90-130Hz 24dB/oct with subwoofer Cannot run full range, mandatory subwoofer (iFIX13S or iFIX17S)
Low Frequency driver	Custom 8" Coaxial CELTO Acoustique Ferrite magnet, 2" Voice coil
High Frequency driver	1" exit (Coaxial) 1.7" Treated Titanium diaphragm
Crossover	Passive mode only 2200Hz, 12dB/oct on LF, 18dB/oct on HF
Flying hardware	Integrated Multi-function Yoke
Connectors	Screw terminals with banana plug
Cabinet	CNC made with tongue and groove assembly 15 mm birch plywood
Finish	Smooth textured coating (Black and White colors) or Varnish finish (Natural and Oak colors)
Size (HxWxD)	243x250x250mm
Weight	6kg net, 8kg gross

CELTO
ACOUSTIQUE

iFIX10 G2

Fix Installation Series



AT A GLANCE

- Real 300W RMS with high-end sound quality
- Coaxial transducer for unmatched spacial coherence
- Audiophile grade crossover with Right-Phase topology
- Birch plywood cabinet with smooth texture or varnish finish
- High Efficiency for incredible SPL to Size ratio
- HF compression driver with Ketone Polymer dome
- Multi-functional yoke with dented ring for secured angles
- Available in Black, White and Natural colors



SPECIFICATIONS

Power handling (AES Standard)	300W RMS / 1200W Peak
Nominal Impedance	8 Ohm
Frequency response (-6dB half space, no EQ)	90-18000Hz
Manufacturing Consistency tolerance	±2dB from 300 to 12000Hz
Average Sensitivity (wideband 200-16000Hz)	97dB/W/m
Calculated Maximum SPL / 1m	121dB continuous / 127dB Peak
Nominal Directivity (-6dB)	75° conical above 1200Hz
Recommended low cut filter	90-130Hz 24dB/oct with subwoofer Cannot run full range, mandatory subwoofer (iFIX13S or iFIX17S)
Low Frequency driver	Custom 10" Coaxial CELTO Acoustique Ferrite magnet, 2.5" Voice coil
High Frequency driver	1" exit (Coaxial) 1.7" Ketone Polymer diaphragm
Crossover	Passive mode only 1700Hz, 12dB/oct on LF, 18dB/oct on HF
Flying hardware	Integrated Multi-function Yoke
Connectors	Screw terminals with banana plug
Cabinet	CNC made with tongue and groove assembly 15 mm birch plywood
Finish	Smooth textured coating (Black and White colors) or Varnish finish (Natural and Oak colors)
Size (HxWxD)	410x410x380mm
Weight	12kg net / 13.8kg gross

Fix Installation Series Subwoofer

CELTO
ACOUSTIQUE

iFIX13S G2

Fix Installation Series



AT A GLANCE

- Real 700WRMS with accurate deep tones
- CELTO woofer with trimmed chassis for ultra compact format
- Birch plywood cabinet with smooth texture or varnish finish
- High Efficiency for incredible SPL to Size ratio
- 6 M8 Flying points for added versatility
- Available in Black, White, Natural and Oak colors

SPECIFICATIONS

Power handling (AES Standard)	700W RMS / 2800W Peak
Nominal impedance	8 Ohm
Frequency response (-6dB half space, no EQ)	42-1500Hz
Manufacturing Consistency tolerance	±2dB from 50 to 400Hz
Average Sensitivity (wideband 200-16000Hz)	97dB/W/m
Calculated Maximum SPL / 1m	126dB Continuous / 132dB Peak
Nominal Directivity (-6dB)	omnidirectional in usage range
Recommended low cut filter	39Hz 24dB/oct
Low Frequency driver	Custom 13.5" CELTO Acoustique Ferrite magnet, 3.6" Voice Coil
Crossover	No. Must use external DSP or dedicated iFIX amplifiers
Flying hardware	6 M8 points
Connectors	Phoenix connector
Cabinet	CNC made with tongue and groove assembly 18 mm birch plywood
Finish	Smooth textured coating (Black and White colors) or Varnish finish (Natural and Oak colors)
Size (HxWxD)	415x545x500mm
Weight	25kg net / 30kg gross

CELTO
ACOUSTIQUE

iFIX17S G2

Fix Installation Series



AT A GLANCE

- Real 900WRMS with accurate deep tones
- CELTO woofer with trimmed chassis for ultra compact format
- Birch plywood cabinet with smooth texture or varnish finish
- High Efficiency for incredible SPL to Size ratio
- 8 M8 Flying points for added versatility
- Available in Black, White, Natural and Oak colors

SPECIFICATIONS

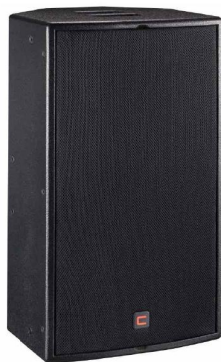
Power handling (AES Standard)	900W RMS / 3600W Peak
Nominal impedance	8 Ohm
Frequency response (-6dB half space, no EQ)	38-1200Hz
Manufacturing Consistency tolerance	±2dB from 50 to 400Hz
Average Sensitivity (wideband 200-16000Hz)	99dB/W/m
Calculated Maximum SPL / 1m	128dB continuous / 134dB Peak
Nominal Directivity (-6dB)	omnidirectional in usage range
Recommended low cut filter	30Hz 24dB/oct
Low Frequency driver	Custom 17.5" CELTO Acoustique Ferrite Magnet, 3.6" Voice coil
Crossover	No. Must use external DSP or dedicated iFIX amplifiers
Flying hardware	8 M8 points
Connectors	Phoenix connector
Cabinet	CNC made with tongue and groove assembly 18 mm birch plywood
Finish	Smooth textured coating (Black and White colors) or Varnish finish (Natural and Oak colors)
Size (HxWxD)	482X596X600mm
Weight	32kg net / 38kg gross

High Performance Series Speaker

CELTO
ACOUSTIQUE

CT12 G2

High Performance Series



AT A GLANCE

Real 450W RMS power capacity (8 hours pink noise)
Natural sound and incredible holographic reproduction
Optimized for smooth frequency response in and out axis
Premium custom made European Drivers
Proprietary 80°x50° rotatable Elliptic horn
Birch plywood cabinet with tongue & groove assembly
Touring grade soft touch gloss-free black painting

APPLICATIONS

CT12 G2 loudspeaker system is suitable for near field main PA reinforcement with or without subwoofer, portable system or permanent installation, monitor in small stages, and delay fill.

Suitable for:

- FoH
- Multi-functional room
- Auditorium and Theater
- Pub
- Bar
- Commercial announcements

SPECIFICATIONS

Power Capacity (50~15000Hz pink noise 8 hours)	450W RMS / 900W Program / 1800W Peak
Nominal impedance	8 Ohm
Frequency response (-6dB half space, no EQ)	50~22000Hz
Manufacturing Consistency tolerance	±2dB from 300 to 10000Hz
Average Sensitivity	97dB/W/m (wideband 200~16000Hz)
Maximum Calculated SPL @ 1m	124dB Continuous / 127dB Program / 130dB Peak
Nominal Directivity (-6dB)	80° x 50° above 1200Hz
Recommended low cut filter	40Hz 24dB/oct in full range mode 80-120Hz with subwoofer
Low Frequency driver	Custom made 12" CELTO driver Ferrite magnet, 3" Voice Coil
High Frequency driver	Custom made 1" exit CELTO driver Ferrite magnet, 1.7" Voice coil, Annular HF
Crossover	Passive mode only 1900Hz, 12dB/oct on LF 18dB/oct on HF
Flying hardware	11 MB points
Connectors	2x NEUTRIK Speakon® NL4MP (1+/- Link, 2+/- Input & Link)
Floor Monitor use	Yes, 2 symmetric angles
Pole mount	35mm top hat
Cabinet	CNC made with tongue and groove assembly 15mm birch plywood
Finish	Touring grade textured black mat rubberized coating
Size (WxHxD)	356x620x345 mm
Weight	21kg net, 26kg gross

CELTO
ACOUSTIQUE

CT15 G2

High Performance Series



AT A GLANCE

Real 700W RMS power capacity (8 hours pink noise)
Natural sound and incredible holographic reproduction with extended low end
Optimized for smooth frequency response in and out axis
Premium custom made European Drivers
Proprietary 80°x50° rotatable elliptic horn
Birch plywood cabinet with tongue & groove assembly
Touring grade soft touch gloss-free black painting

APPLICATIONS

CT15 G2 loudspeaker system is suitable for near field main PA reinforcement with or without subwoofer, portable system or permanent installation, monitor in small stages, and delay fill.

Suitable for:

- FoH
- Multi-functional room
- Auditorium and Theater
- Pub
- Bar
- Commercial announcements

SPECIFICATIONS

Power Capacity (50~15000Hz pink noise 8 hours)	700W RMS / 1400W Program / 2800W Peak
Nominal impedance	8 Ohm
Frequency response (-6dB half space, no EQ)	48~22000 Hz
Manufacturing Consistency tolerance	±1.5dB from 300 to 10000Hz
Average Sensitivity	98dB/W/m (wideband 200~16000Hz)
Maximum Calculated SPL @ 1m	127dB continuous / 130dB Program / 133dB Peak
Nominal Directivity (-6dB)	80° x 50° above 1200Hz
Recommended low cut filter	40Hz 24dB/oct in full range mode 80-120Hz with subwoofer
Low Frequency driver	Custom made 15" Ferrite magnet with 3.6" voice coil
High Frequency driver	Custom made 1" exit Ferrite magnet, 1.7" VC Annular HF
Crossover	Passive mode only 1400Hz, 12dB/oct on LF 18dB/oct on HF
Flying hardware	7 MB points
Connectors	2x NEUTRIK Speakon® NL4MP (1+/- Link, 2+/- Input & Link)
Floor Monitor use	Yes, 2 symmetric angles
Pole mount	35mm top hat
Cabinet	CNC made with tongue and groove assembly 18mm birch plywood
Finish	Touring grade textured black mat rubberized coating
Size (WxHxD)	445 x 710 x 414 mm
Weight	28kg net / 32kg gross

Coaxial Monitor Series Speaker

CELTO
ACOUSTIQUE

CMP 10

Coaxial Monitor Series



AT A GLANCE

Real **300W** RMS power capacity (8 hours pink noise)
Natural sound and incredible holographic reproduction
Optimized for smooth frequency response in and out axis
Premium Neodymium custom made European Driver
Conical **90°** HF Horn pattern
High grade Finnish WISA birch plywood cabinet
Touring grade soft touch black painting
Dual monitor angle, for Short of Far Monitoring

APPLICATIONS

CMP 10 loudspeaker system is suitable for near field main PA reinforcement with subwoofer, portable system or permanent installation, monitor on stages, and delay fill.

Suitable for:

- FoH
- Multi-functional room
- Auditorium and Theater
- Nightclub
- Pub
- Bar
- Commercial announcements

SPECIFICATIONS

Power Capacity (50-15000Hz pink noise 6 hours)	300W RMS / 600W Program / 1200W Peak
Nominal impedance	8 Ohm
Frequency response (-6dB half space, no EQ)	78-22000Hz
Manufacturing Consistency tolerance	±2dB from 300 to 10000Hz
Average Sensitivity	97dB/W1m
Maximum Calculated SPL @ 1m	122dB RMS / 125dB Program / 128dB Peak
Nominal Directivity (-6dB)	90° Conical above 800Hz
Recommended low cut filter	50Hz 24dB/oct in full range mode 60-120Hz with subwoofer
Low Frequency driver	Custom made 10" coaxial CELTO driver Neodymium magnet, 2.5" In/Out Voice Coil
High Frequency driver	Custom made 1" exit CELTO Driver Neodymium magnet, 1.7" HSP Annular Diaphragm
Crossover	Passive mode only - 1400Hz, 12dB/oct on LF 24dB/oct on HF
Flying hardware	7 M8 points 36 positions Aluminum Yoke plate
Connectors	2x NEUTRIK Speaker® NL4MP (1+/- Link, 2+/- Input & Link)
Floor Monitor use	Yes
Pole mount	35mm pot
Cabinet	CNC made with tongue and groove assembly 15mm/18mm Finnish WISA birch plywood
Finish	Rubberized PolyUrea Black coating, Integral Armet fabric on Front Grill
Size (WxHxD)	306x440x298 mm
Weight	15kg



Column Speaker

CELTO
ACOUSTIQUE



▶ CCL430

- 4x 3" Neodymium
- 120W RMS / 8Ω
- 150~18000Hz
- 97dB/1W/1m
- 124dB SPL Peak
- H100° x H25° directivity
- Birch Plywood cabinet
- Full range of accessories
- 418x122x160mm for 3.5kg



▶ CCL830

- 8x 3" Neodymium
- 240W RMS / 6Ω
- 150~18000Hz
- 100dB/1W/1m
- 130dB SPL Peak
- H100° x H25° directivity
- Birch Plywood cabinet
- Full range of accessories
- 788x122x160mm for 6kg



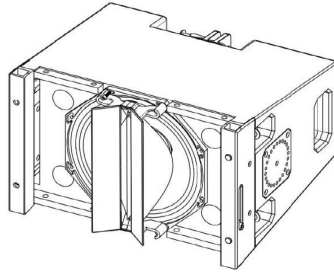
▶ CCL1230

- 12x 3" Neodymium
- 360W RMS / 4Ω
- 150~18000Hz
- 101dB/1W/1m
- 132dB SPL Peak
- H100° x H25° directivity
- Birch Plywood cabinet
- Full range of accessories
- 1070x122x160mm for 9kg

Line Array Series Speaker & Subwoofer

CELTO
ACOUSTIQUE

IsoRay10



Line Array series

AT A GLANCE

- 10" Line source, real 450W RMS / 1800W Peak power capacity (8hours Pink noise)
- A3 paper size format
- 16 ohm (passive)
- FIR Presets
- Upto 24 speakers per array with 10 times safety standards
- Unmatched Size/SPL ratio
- Only 15kg / 33lbs

APPLICATIONS

IsoRay10 coaxial passive line source speaker is suitable for near to far field main PA reinforcement in line array topology with subwoofer for mobile and permanent installations.

Suitable in situations like :

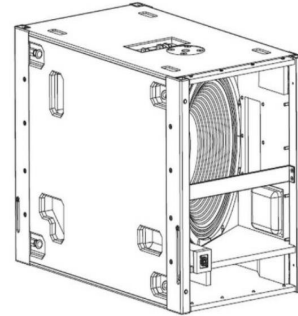
- FoH
- Live Shows
- Multi-functional Rooms
- Auditoriums and theaters
- Sports Center
- House of Service

SPECIFICATIONS

Power Handling (50–15000Hz Pink noise 8 hours)	450W RMS / 1800W Peak
Nominal Impedance	16 ohm
Frequency Response (-6dB half space, no EQ)	95–22000Hz
Manufacturing Consistency Tolerance	±2dB from 300 to 10000Hz
Average Sensitivity (wideband 200–16000Hz)	98dB/W/m
Calculated Maximum SPL / 1m	130dB RMS / 136dB Peak
Nominal Directivity (-6dB)	100° H x 12° V per cabinet (total directivity depends on the array setup)
Recommended Low cut Filter	80–120Hz 24dB/oct with subwoofer
Low Frequency Driver	Custom made 10" coaxial CELTO Acoustique with IsoTop Waveguide
High Frequency Driver	3" Voice Coil Custom made 1" exit CELTO Acoustique Neodymium magnet, Annular HF
Crossover	Passive mode with CELTO DSP
Flying Hardware	Integrated aluminium rigging system
Connectors	2x NEUTRIK® Speakon NL4MP switchable between 1+1- or 2+2- Input/Link
Floor Monitor Use	No
Pole Mount	Yes with mounting adapter
Cabinet	CNC made with tongue and groove assembly
Finish	18 and 15mm premium outdoor grade Finnish WISA birch plywood, Touring grade PolyUree coating
Size (WxHxD)	420x280x390mm
Weight	15.5kg

CELTO
ACOUSTIQUE

IsoRay18s



Line Array series

AT A GLANCE

- Real 1200W RMS power capacity (8 hours pink noise)
- Premium 18" Neodymium driver with ±11mm linear Xmax
- Triple forced cooling system for low power compression
- Heavy braced cabinet for vibration free dynamic response
- Fully integrated rigging for floor stacking and flying
- Touring grade textured black paint finish

APPLICATIONS

- IsoRay18s subwoofer is suitable for sound reinforcement of main PA systems, touring or permanent installations for small to large stages, indoor or outdoor live performances. Suitable in situations like:
- FoH
 - Live show
 - Multi-functional room
 - Auditorium and Theatre
 - Sport center
 - House of worship

SPECIFICATIONS

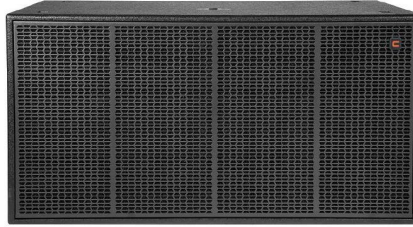
Power handling (50–15000Hz pink noise 8 hours)	1200W RMS / 4800 Peak
Nominal Impedance	8 ohm
Frequency response (-6dB half space, recommended preset)	33–100Hz
Average Sensitivity (wideband 50–10000Hz)	97dB/W/m
Calculated Maximum SPL / 1m	128dB RMS / 133dB Peak
Nominal Directivity (-6dB)	Omni in useable band
Recommended filters	High-pass: 30Hz 24dB/oct Low-pass: 70–120Hz when used with IsoRay10
Low Frequency driver	Custom made 18" CELTO Acoustique 4" In/Out Voice Coil
Crossover	No, active mode only
Flying hardware	Integrated, stack ground and flying
Connectors	2x NEUTRIK® Speaker® NL4MP with switch for 1+1- or 2+2- input
Pole mount	Yes, 20mm thread
Cabinet	CNC made with tongue and groove assembly 18 and 15mm premium exterior grade Finnish WISA birch plywood
Finish	Touring grade PolyUree Coating
Size (WxHxD)	420x585x780mm
Weight	45kg net / 52kg gross

High Performance Series Subwoofer

CELTO
ACOUSTIQUE

CSW218

High Performance Series



AT A GLANCE

Real 2600W RMS power capacity (8 hours pink noise)
Clean and deep reproduction
Premium custom made European Driver
Heavy braced, vibration free birch plywood cabinet
Touring grade soft touch gloss-free black paint finish

APPLICATIONS

CSW218 subwoofer is suitable for bass reinforcement for main PA systems, touring or permanent installations for small to large stages, indoor or outdoor live performances.

Suitable for:

- Stadium and arena
- Multi-functional room
- Auditorium and Theater
- Night club
- Bar
- High-end Karaoke room

SPECIFICATIONS

Power Capacity (50-15000Hz pink noise 8 hours)	2600W RMS / 5200W Program / 10400W Peak
Nominal Impedance	4 Ohm
Frequency response (-6dB half space, no EQ)	28-15000Hz
Average Sensitivity	100dB/Wm (40-150Hz)
Maximum Calculated SPL @ 1m	134dB Continuous / 137dB Program / 140dB Peak
Nominal Directivity (-6dB)	Omnidirectional in usable range
Recommended low cut filter	28Hz 24dB/oct
Low Frequency driver	Custom made 18" European driver Ferrite magnet, 4" In/Out Voice coil
Crossover	No, only use in active mode with external electronic crossover
Flying hardware	No
Connectors	2x NEUTRIK Speakon® NL4MP (1+/- Input & Link, 2+/- Link)
Pole mount	20mm thread top hat
Cabinet	CNC made with tongue and groove assembly all made with 18mm birch plywood
Finish	Black Textured Waterborne coating
Size (WxHxD)	1100x580x740mm net, 1200x680x850mm gross
Weight	83kg net, 97kg gross

High Performance Series Subwoofer

CELTO
ACOUSTIQUE



CSW221

HIGH PERFORMANCE SUBWOOFER




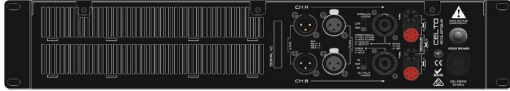
Real 3600W RMS power capacity
Clean and deep reproduction from 25Hz to 95Hz
Replaces universal dual 18s with added SPL
Premium custom CELTO Acoustique Driver
Heavy braced, vibration free birch plywood cabinet
Touring grade gloss-free black painting

CELTO
ACOUSTIQUE






SPECIFICATIONS

Speaker type	Multi-purpose vented sub woofer
Power Handling (AES standard)	3600W RMS / 14400W Peak
Nominal impedance	4 ohms
Average sensitivity	102dB / 1W / 1m
Maximum SPL (calculated)	137 dB RMS / 143dB Peak
Frequency response (-6dB no preset)	28-1000Hz
Nominal directivity (-6dB)	Omni in usable range
Cabinet material	Heavily braced Birch Plywood
Cabinet finish	Textured Waterborne Black coating Acoustic PU foam behind Front grill
Floor monitor use	N/A
Flying hardware	No
Mounting hardware	2pcs M20 thread socket
LF	21" CELTO Acoustique 21EX1800 (2pcs)
Woofer Chassis	Die Cast Aluminum
Woofer Voice coil diameter	4.5" / 115mm long throw with DCS cooling system
Crossover	No, active mode only
Connectors	Genuine NEUTRIK 2pcs Speakon NL4MP
Speaker size (HxWxD)	588x1226x805 mm, Weight: 99kg (Net) / 114kg (Gross)

Core Series Professional Power Amplifier

		CORE Series Specifications		Revision A0	
				Last update on 2018-12-05	
					
MODEL	C2.6	C2.10	C2.20		
Max output Power EIA 1kHz 1% THD (EIA = 3rms OW / 66ms CRF)	2x 400W 8 ohms 2x 800W 4 ohms 2 ohms not recommended 1x 1200W 8 ohms (Bridge)	2x 750W 8 ohms 2x 1150W 4 ohms 2 ohms not recommended 1x 2200W 8 ohms (Bridge)	2x 1200W 8 ohms 2x 2050W 4 ohms 2 ohms not recommended 1x 4000W 8 ohms (Bridge)		
Overall gain	37.3dB (58 times voltage)	40dB (100 times voltage)	42dB (126 times voltage)		
Sensitivity at 8 ohms		0.775Vrms (95dB)			
Signal to Noise Ratio (A weighted, 0dB)	>110dB	>108dB	>110dB		
Frequency Response (-1dB)		20°-20000Hz			
Typical THD (half power, 1kHz, 8 ohms)		<0.1%			
Typical IMD (1kHz at 4:1, -20dB)		<0.3%			
Crosstalk (1kHz)		>65dB			
Slew Rate	>15V/us	>20V/us	>30V/us		
Input Impedance		20 kΩ			
Damping factor (1kHz, 8 ohms)		>50			
Protections		Soft-start, Short-Circuit, Over-Voltage, Over-Current, Over-Load, DC Output, Temperature			
Operating Voltage		150°-260VAC 50-60Hz			
Preamp		Low noise and low distortion circuit, Opts-Limiter			
Power Supply (PSU)		Advanced Linear topology with toroidal transformer			
Output stage	2-step Class H without cross-rail distortion (70% efficiency)		Class TD (82% efficiency)		
Cooling		Front to back airflow Temperature regulated fans Copper heat-sink for maximum heat transfer			
Rear Panel		2 NEUTRIK XLR Input with latch, 2 NEUTRIK XLR Link 2 NEUTRIK Speakon NLA 2 speaker Binding post terminals Stereo / Parallel / Bridge switch Ground / Lift switch Magnetic Breaker Power cable directly soldered (3x1.5mm without plug terminal)			
Speakon Wiring		SPK1 = 1+1- CH A / 2+2- CH B SPK2 = 1+1- CH B / 2+2- Not Used			
Chassis		19" 2U height, 378mm total depth			
Weight Net / Gross	14kg / 16kg	16kg / 17.5kg	19.5kg / 21kg		
C2.6 and C2.10 Rear panel					
C2.20 Rear panel					

Performance Series Professional Power Amplifier

		PERFORMANCE Series Specifications		Revision: 2.0 Last update on 2018-12-05	
 					
MODEL	P2.14	P2.25	P4.14		
Max Output Power (EA 1kHz 5% THD (EIA = 33ms ON / 66ms OFF))	2x 800W 8 ohms 2x 1400W 4 ohms 2x 800W 2 ohms (not recommended) 1x 2800W 8 ohms (Bridge) 1x 1600W 4 ohms (Bridge)	2x 1300W 8 ohms 2x 2500W 4 ohms 2x 1200W 2 ohms (not recommended) 1x 5000W 8 ohms (Bridge) 1x 2400W 4 ohms (Bridge)	4x 800W 8 ohms 4x 1400W 4 ohms 4x 1400W 2 ohms 2x 2800W 8 ohms (Bridge) 2x 2800W 4 ohms (Bridge)		
Overall gain	34dB (50 times voltage)				
Sensitivity at 8 ohms	1.6Vrms (+6.3dBu)	1.8Vrms (+8.48u)	1.6Vrms (+6.3dBu)		
Signal to Noise Ratio (A weighted, 0dB)	130dB				
Frequency Response (-3dB)	50-20000Hz				
Typical THD (Full power, 1kHz, 8 ohms)	<0.05%				
Typical IMD (1kHz at 4:1, -20dB)	<0.2%				
Crosstalk (1kHz)	>70dB				
Slew Rate	>15V/us	>20V/us	>30V/us		
Input Impedance	30 kΩ				
Damping factor (1kHz, 8 ohms)	>800				
Protections	Soft-Start, Short-Circuit, Over and Under-Voltage, Over-Current, Over-Load, DC Output, Temperature, SGM (Smart Overhead Management)				
Operating Voltage	100-230VAC 50/60Hz				
Preamp	Proprietary PureSound Circuit for unmatched sound quality (Audiophile capacitors in signal path, High Voltage Opamps, Ultra Low Noise design) Studio grade VCA limiter				
Power Supply (PSU)	Continuous protection, RF protection, Overload protection Advanced Linear topology with tracking current 105C Long Life SuperCharged Capacitors				
Output stage	Fully Discrete 4th generation proprietary Class D (93% efficiency at full power) Half bridge design with high-speed high-current MOSFETs 105C Long Life capacitors				
Cooling	Front to back air flow Temperature regulated SUNCOR MagLev fans (5000+ Hours, dustproof) FEA optimized Radial heat-sink for maximum heat transfer				
Rear Panel	2 NEUTRIK XLR input with latch 2 NEUTRIK XLR Link 2 NEUTRIK Speakon NL4 Stereo / Parallel / Bridge switch Power cable directly soldered (3x1.5mm with molded plug)		4 NEUTRIK XLR input with latch 4 NEUTRIK XLR Link 4 NEUTRIK Speakon NL4 Stereo / Parallel / Bridge switch (2pc) Power cable directly soldered (3x1.5mm with molded plug)		
Speaker Wiring	SPK1 = 1+1- CH A / 2+2- CH B SPK2 = 1+1- CH 0 / 2+2- Not Used		SPK1 = 1+1- CH A / 2+2- CH B SPK2 = 1+1- CH B / 2+2- Not Used SPK3 = 1+1- CH C / 2+2- CH D SPK4 = 1+1- CH D / 2+2- Not Used		
Chassis	19" 2U height, 388mm total depth				
Weight Net / Gross	15kg / 17.5kg		18kg / 19.5kg		19kg / 21kg
P2.14 and P2.25 Rear panel					
P4.14 Rear panel					

Switch Mode Touring Series Amplifier

CELTO
ACOUSTIQUE

S SERIES



Switch Mode Touring Amplifier series

AT A GLANCE

- Up to 10000W RMS output power in compact 1U rack format
- Second generation LLC resonant **PULSAR** SMPS
- Studio grade preamp with MUSE Fine Gold capacitors
- **TrueSound** Class D with High-Speed High-Current MOSFETs
- SuperCharged 105°C long life electrolytic capacitance
- Lightweight and low depth Touring grade chassis
- Genuine parts exclusively from World Class suppliers
- 300MHz Multi-core DSP with 64-bit accumulators
- 512 taps FIR filter per output
- 16 filters per input and per output for challenging projects
- PeakStop and TrueRMS voltage limiters per output
- Large 2.8" TFT display with logic GUI
- Dual TCP/IP Ethernet interface with integrated switch
- 3 years warranty

SPECIFICATIONS

Power supply	Switch mode with active PFC (accept full range mains 90–264V AC) Up to 3 transformers in interleaved mode (model dependant)				
Output stage	High-Speed High-Current 4th generation Class D				
Model	SQ2400	SQ5000	SQ10000	SD5600	SD9600
RMS Output Power	4 x 400W / 8Ω	4x 800W / 8Ω	4x 1600W / 8Ω	2x 1600W / 8Ω	2x 2500W / 8Ω
(1kHz, 1% THD, EIA standard)	4 x 600W / 4Ω	4x 1200W / 4Ω	4x 2500W / 4Ω	2x 2800W / 4Ω	2x 4800W / 4Ω
Frequency response	6–20,000Hz (-1dB)				
Typical THD (half power, 1kHz, 8 ohms)	<0.05%				
Signal to noise ratio	>105dB(A)				
Crosstalk (1kHz)	>75dB				
Input impedance	20 kΩ (Balanced)				
Maximum input	+20dBu				
Amplifier slew rate	>60V/μs				
Amplifier damping factor (8 ohms, 500Hz)	>800 (internal)				
Preamp	Ultra low noise opamps with audiophile MUSE Fine Gold capacitors				
DSP	300MHz Multi-core architecture with 64-bit accumulators				
Input Processing (per channel)	Gain, Delay, Noise Gate, 16 filters (PEQ, Shelving, Allpass)				
Output Processing (per channel)	Matrix routing, Gain, Delay, 16 filters (PEQ, Shelving, Allpass), 512 taps FIR, PeakStop and TrueRMS limiters				
Memory	30 user memories + 300 speakers preset library				
Communication	Dual 100M TCP/IP Ethernet ports with integrated switch				
Protections	Short-circuit, Over and Under-voltage, Over-current, Over-load, Temperature				
Input connectors	4 balanced NEUTRIK® XLR IN				
Output connectors	4 NEUTRIK® SPEAKON NL4MP				
Operating Voltage	90–264V AC				
Model	SQ2400	SQ5000	SQ10000	SD5600	SD9600
Size (WxHxD)	483x45x300mm	483x45x300mm	483x45x400mm	483x45x360mm	483x45x360mm
Weight	8kg net 8.5kg gross	10kg net 7.5kg gross	10kg net 12.5kg gross	6.5kg net 7.5kg gross	8kg net 10kg gross

Loudspeaker Management System

CELTO
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CLM48



Loudspeaker Management System

AT A GLANCE

CELTO Acoustique CLM48 is a comprehensive loudspeaker management system that offers high-end hardware, extended processing capacity and fully featured control software. With 120 parametric filters available and more than 6 km of total delay, CLM48 is ready to handle the most challenging projects. When paired with CELTO Acoustique amplifiers and speakers, CLM48 unlocks new territories of performance, thanks to the custom presets that use FIR filtering, Dynamic Eqs and multiband compressors.

MAIN FEATURES

- > Premium 4 In x 8 Out Networkable Loudspeaker Management System
- > High precision 64-bit floating point internal calculations (96kHz sampling rate)
- > 32-bit D/A ESS™ Sabre Reference converters with 126dB dynamic range and audiophile grade preamps
- > Stereo AES/EBU Digital input and AVB MILAN Audio network (by future firmware upgrade)
- > On each input: Delay (2sec), Gain, Noise gate, and 10 filters (PEQ, Notch, Shelving, Allpass, Bandpass)
- > On each output:
 - Routing, Delay (2sec), Gain, HPF and LPF filters (up to 48dB/oct),
 - 10 filters (PEQ, Notch, Shelving, Allpass, Bandpass),
 - Zero Attack PeakStop Limiter and 4 multiband Compressors (Threshold, Attack, Release, Ratio)
 - Dynamic EQs and 1024 tap FIR filters (only available on CELTO presets)
- > 100 preset memories with speaker preset management per output
- > Fined grained Password protection
- > CELTO DSP CONTROL software for Windows and Mac platforms

SPECIFICATIONS

Analog Inputs	4 female NEUTRIK™ XLR electronically balanced / RF filtered > 40kΩ Impedance
Digital Inputs	+21dBu maximum input level with AKM™ 121dB A-weighted dynamic range A/D converters 1 stereo AES/EBU (dedicated female NEUTRIK™ XLR)
Analog Outputs	8 male NEUTRIK™ XLR electronically balanced / RF filtered 1200 Impedance +20dBu maximum output level with ESS™ 126dB A-weighted dynamic range 32-bit D/A converters
Connectivity	2x 100MB R/45 Ethernet interface compatible with common TCP/IP network equipment
System Performance	96kHz sampling rate, 64-bit accumulators Frequency response of 20–20k Hz at -0.5dB THD+N lower than 0.003% at +4dBu, 1kHz, 0dB input Interchannel crosstalk >100dB
Power	90–264Vac / 50–60Hz / 25W max consumption (industrial grade power supply) Touring ready PowerLock 3 pin connector
Size (WxHxD)	482x44.5x230mm net, 550x110x270mm gross
Weight	2.7kg net, 4.2kg gross

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Contact us :

Sales & Marketing -

sushil.john@celtoproindia.com

moshe@celtoproindia.com

siddharth@celtoproindia.com

Tech Support -

systeng@celtoproindia.com

Ph : 011-40107330



www.celtopro.com



[@celtoindia](https://www.instagram.com/celtoindia)



[@celtoindia](https://www.facebook.com/celtoindia)

Registered Address

CELTO Acoustique LLP

A-92, B-Wing, Ground Floor, Nambardar

Estate, Taimoor Nagar, New Friends

Colony, New Delhi - 110025 , India