

XCELLENCE SERIES

X-15LTP



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User's manual

ENGLISH



WARNING:
To reduce the risk of fire or electric shock do not expose this equipment to rain or moisture



Safety Instructions

1. All safety instructions must be read before using this device.
2. The exclamation mark in the triangle indicates internal components which if replaced can affect safety.
3. The lightning symbol within the triangle indicates the presence of dangerous uninsulated voltages.
4. This device must not be exposed to rain or humidity. It must not be used for example near swimming pools, fountains or any other place where it might be affected by liquids.
5. Only clean the device with a dry cloth.
6. Do not situate the equipment where its ventilation system might be interfered with.
7. Do not install the device near heat sources such as radiators, heaters or other heat-emitting elements.
8. The equipment must be repaired by qualified technical service personnel when:
 - A. The mains supply cable is damaged, or
 - B. Any object or liquid has damaged the device; or
 - C. The equipment does not function normally or correctly; or
 - D. The equipment has been exposed to the rain; or
 - E. The chassis is damaged
9. Disconnect the device in the case of electric storms or during long periods of disuse.
10. Never hang the equipment by its handle.
11. Only use manufacturer recommended accessories.

1. Introduction

1.1. General product information

Master Audio thank you for the trust placed in our **Xcellence** loudspeaker system.

The X15LTP incorporates the highest technology features that take this system to a new level of sound performance.

More than 40 years' experience in amplifier and acoustic cabinet design using the highest technology and components come together to give you a product ideal for a multitude of applications, from sound back-up systems for theatres, clubs or TV channels to even corporative events or concert halls.

We suggest you read the following information with attention, assured that it will be of maximum use in helping you to achieve the best results and optimum performance.

1.2. Features and appearance

X15LTP

- Two-way passive system.
- One 15" woofer in neodymium (4" voice coil).
- One 3" voice coil diameter, titanium diaphragm compression driver.
- 60° x 50° rotative horn.
- Internal crossover, which divides the corresponding frequencies to each transducer with minimum losses.
- Birch plywood construction.
- Polyurea black textured paint finish.
- Frontal steel grille with acoustically transparent grey cloth.

2. X15LTP Systems. Features

The X15LTP cabinet is ideal for a multitude of applications. To optimise and align the system we offer some customized **DSP306/408 presets**, to be played with our **HD3200 amplifier**, making a system difficult to match.

The result is a clean, high quality sound whether for nearfield listening or at full power in larger sites.



Fig.1. HD3200 amplifier and DSP306/408

The lower surface incorporates a pole mount socket for a standard 35mm tripod and the top surface incorporates a M10 thread.

2.1. Technical description

The X15LTP cabinet comes with full range sound delivery thanks to its direct radiation transducer and acoustic bass reflex cabinet. As a full range system, its response is 50-18kHz (+/- 3dB) with a usable bandwidth between 42Hz-19kHz (-10dB).

The X15LTP cabinets are connected using Speakon connectors.

It is built in birch plywood, which has a high resistance to vibrations and humidity with black polyurea paint finish. The front face is protected by a 1.5 mm thick steel grille with acoustically transparent grey cloth.

2.2. Connection Panel

Each unit contains a rear panel comprising:



Fig.2. X15LTP connection panel

A) SPEAKON: The X15LTP uses two Speakon terminals. Each NL4 connector includes:

PIN+1/-1: power signal from the amplifier.

WARNING: Respect the polarity +/-

PIN+2/-2: no connection



It is strongly recommended to use a multi-conductor high quality wire, non-shielded. We recommend using a minimum section of 4mm² for the conductors that will transport the power signal (+1/-1).

Avoid long wire distances as they induce to important power and quality losses.

3. Dimensions:

X15LTP has height 75 cm, width 47 cm, depth 50 cm

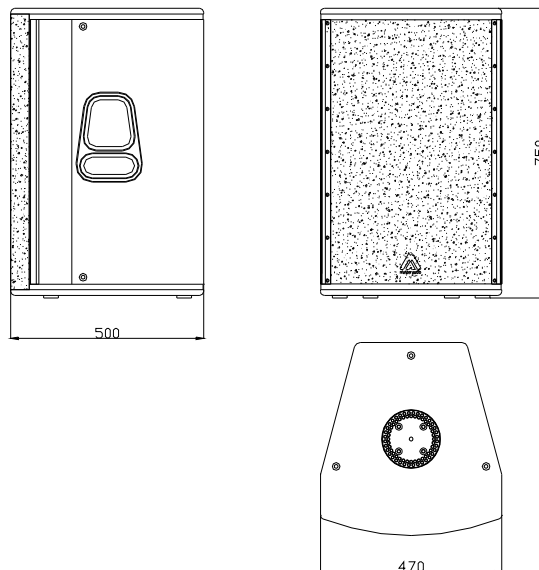


Fig.3. X15LTP cabinet. External dimensions

4. Connecting

4.1. Full Range Stereo configuration

Connect each output of the amplifier LEFT/RIGHT to each cabinet using two wires, independently.

Use the dedicated presets on DSP306/408 to optimize the performance of the system.

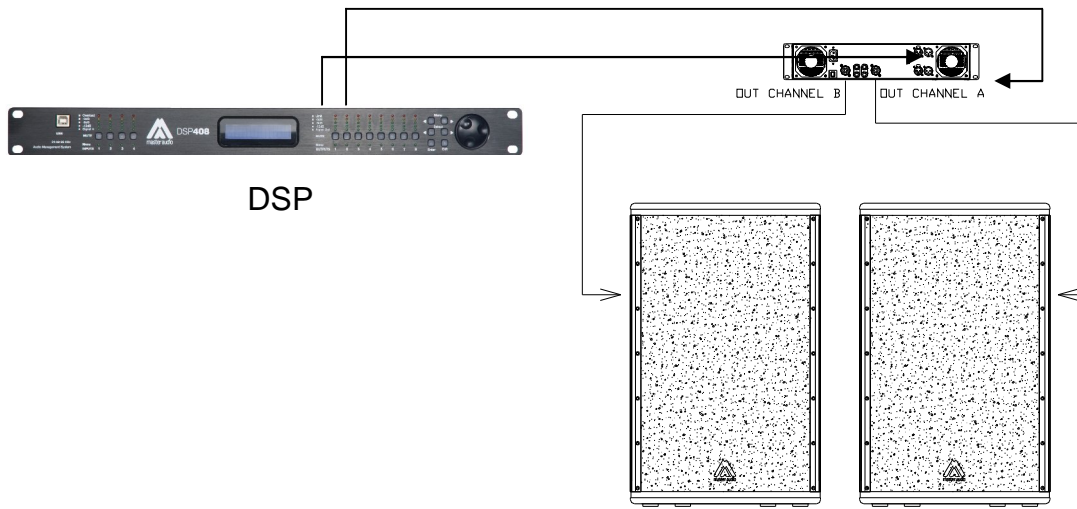


Fig.4. Full Range Stereo connection

5. Mounting and installation

Whenever possible, mount the Full Range units in a high position (between 2 and 3 meters above ground), angled towards the audience. If the units are mounted close to the ground the back row listeners will receive low quality sound.

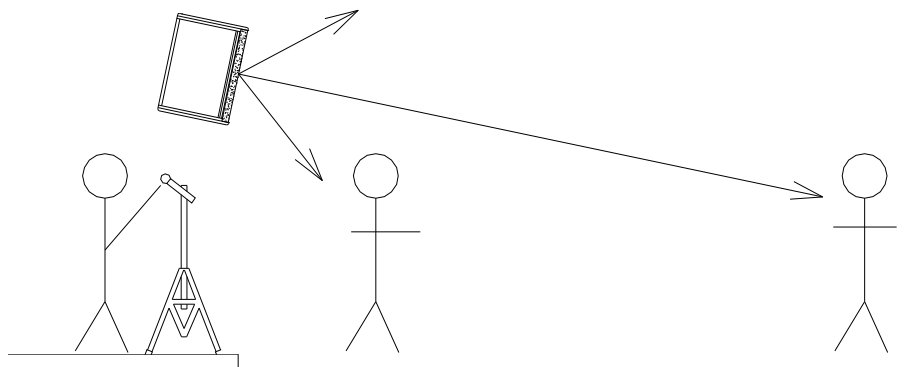


Fig.5. Orientation of Xcellence full range units (X15LTP)

The X15LTP incorporates a 35mm pole mount socket for standard tripod in the lower side. To use the socket, unscrew the four bolts on the central face plate.

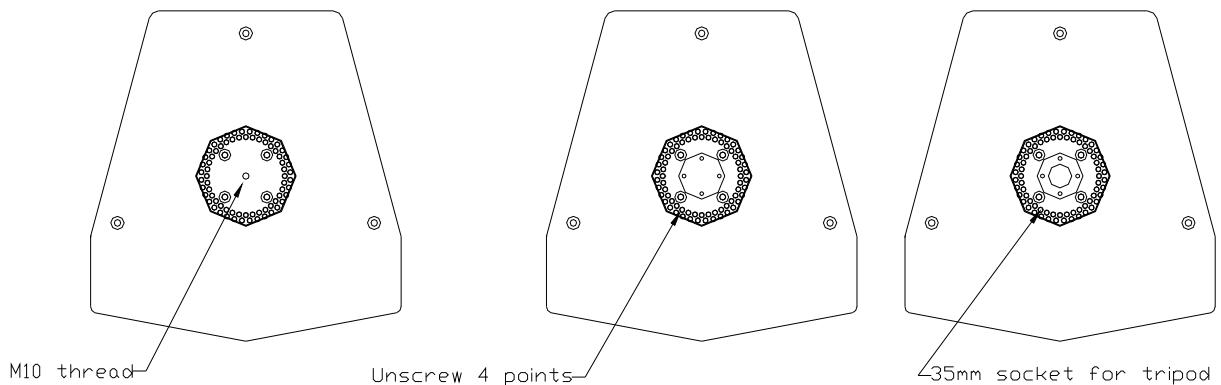


Fig.6. Top side (left) and socket for tripod (right)

Do not use the tripod on sloping surfaces nor mount the cabinets too high to avoid total instability of the system.

The brand logo can be turned for use in the horizontal position.

6. Flying with ACRM10

The X15LTP provides M10 flying points. Their correct use will permit the flying in horizontal or vertical position

Vertical Flying

Points 1. Use point 2 to get the desired inclination.

Horizontal Flying

Points 3. Use points 4 to get the desired inclination.

We offer as optional accessory the eyebolt rigging M10 (**ACR M10**).

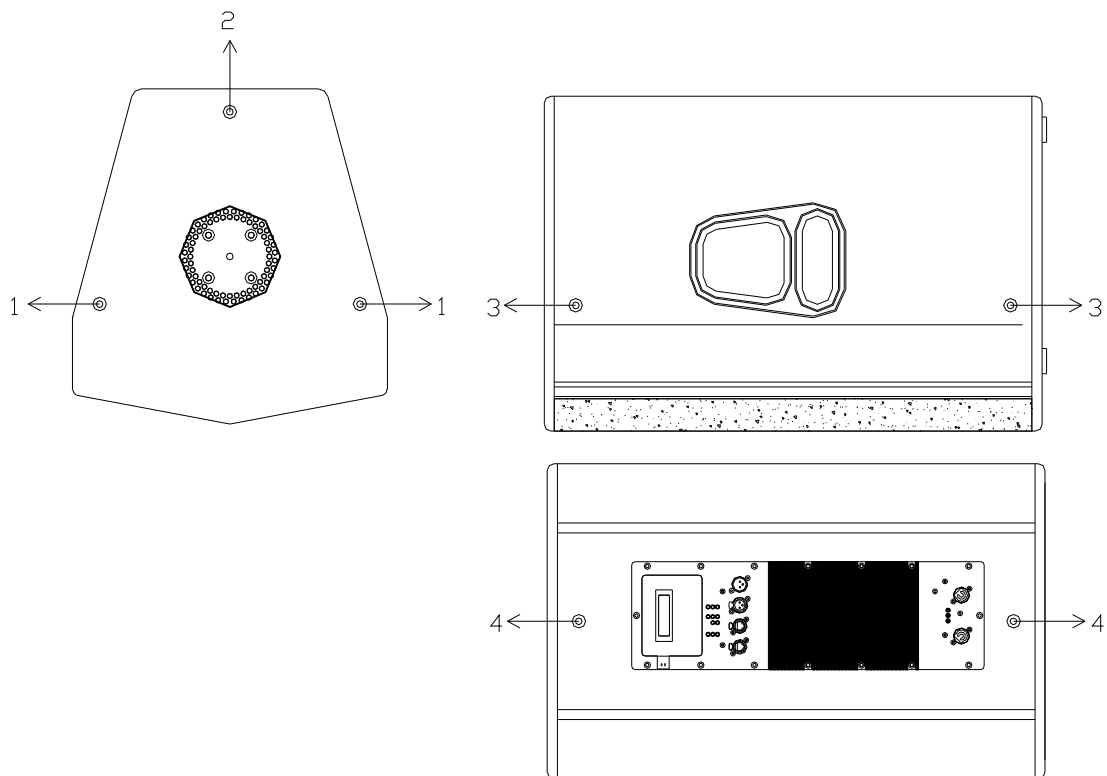


Fig.7. Flying points

7. Technical specifications

7.1. X15LTP specifications

Impedance	4Ω
Sensitivity 1W/1m	99dB
Frequency response (-10 dB)	42Hz-19kHz

Power handling	
R.M.S	1000W
Program	2000W

Nominal directivity (-6dB)	
Horizontal	60° (rotative horn)
Vertical	50°

Components

LF	1x15" neodymium woofer (4" voice coil)
HF	1x neodymium driver, titanium diaphragm (3" voice coil)

Enclosure

Height	750mm
Width	470 mm
Depth	500 mm
Net weight	34.9Kg
Connections	2 x Speakon (IN/LINK)
Material	Birch plywood, Steel frontal grille with grey acoustic cloth
Finish	Polyurea black paint
Rigging	In-built M10 points

8. APPENDIX**POWER LOSSES (%) AND DAMPING FACTOR, RELATED TO WIRE LENGTH AND SECTION**

Wire length (m)	Section (mm ²)	Resistance (Ohms)	Power losses			Damping losses(*)	
			8Ohms	4Ohms	2Ohms	8 Ohms	4 Ohms
1	0.75	0.042	0.53%	1.05%	2.10%	98	49
	1.50	0.025	0.31%	0.63%	1.25%	123	62
	2.50	0.013	0.16%	0.33%	0.65%	151	75
	4.00	0.008	0.10%	0.20%	0.40%	167	83
5	0.75	0.210	2.63%	5.25%	10.5%	32	16
	1.50	0.125	1.56%	3.13%	6.25%	48	24
	2.50	0.065	0.81%	1.63%	3.25%	76	38
	4.00	0.040	0.50%	1.00%	2.00%	100	50
10	0.75	0.420	5.25%	10.50%	21.00%	17	9
	1.75	0.250	3.13%	6.25%	12.50%	28	14
	2.50	0.130	1.63%	3.25%	6.50%	47	24
	4.00	0.080	1.00%	2.00%	4.00%	67	33
20	0.75	0.840	10.50%	21.00%	42.00%	9	5
	1.50	0.500	6.25%	12.50%	25.00%	15	7
	2.50	0.260	3.25%	6.50%	13.00%	27	13
	4.00	0.160	2.00%	4.00%	8.00%	40	20
50	0.75	2.100	26.25%	52.50%	---	4	2
	1.50	1.250	15.63%	31.25%	62.50%	6	3
	2.50	0.650	8.13%	16.25%	32.50%	12	6
	4.00	0.400	5.00%	10.00%	20.00%	18	9

(*) Referred to an amplifier with a Damping Factor of 200:1. **Wire sections under 2.50 mm² are completely inadvisable.**

For fixed installations with 4 Ohms load, it is better to have one wire for each speaker system. It is not advisable to bridge one cabinet to another.

PRESET1: FACTORY

Parameters	Out 1/ LEFT_1	Out 2/RIGH_1	Out3/LEFT_2	Out 4/RIGH_2	Out 5/LEFT_3	Out 6/RIGH_3
Level	0 dB	0 dB	0 dB	0 dB	0 dB	0 dB
POL	+	+	+	+	+	+
Delay	0.0ms	0.0ms	0.0ms	0.0ms	0.0ms	0.0ms
EQ1 Bypass	Off	Off	Off	Off	Off	Off
Type	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ
Freq	53Hz	53Hz	53Hz	53Hz	53Hz	53Hz
BW/Q	0,6 / 2,38	0,6 / 2,38	0,6 / 2,38	0,6 / 2,38	0,6 / 2,38	0,6 / 2,38
Level	6 dB	6 dB	6 dB	6 dB	6 dB	6 dB
EQ2 Bypass	Off	Off	Off	Off	Off	Off
Type	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ
Freq	390Hz	390Hz	390Hz	390Hz	390Hz	390Hz
BW/Q	0,33 / 4,36	0,33 / 4,36	0,33 / 4,36	0,33 / 4,36	0,33 / 4,36	0,33 / 4,36
Level	-3 dB	-3 dB	-3 dB	-3 dB	-3 dB	-3 dB
EQ3 Bypass	Off	Off	Off	Off	Off	Off
Type	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ
Freq	5310Hz	5310Hz	5310Hz	5310Hz	5310Hz	5310Hz
BW/Q	0,60 / 2,38	0,60 / 2,38	0,60 / 2,38	0,60 / 2,38	0,60 / 2,38	0,60 / 2,38
Level	-4 dB	-4 dB	-4 dB	-4 dB	-4 dB	-4 dB
EQ4 Bypass	Off	Off	Off	Off	Off	Off
Type	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ
Freq	800Hz	800Hz	800Hz	800Hz	800Hz	800Hz
BW/Q	0,33 / 4,36	0,33 / 4,36	0,33 / 4,36	0,33 / 4,36	0,33 / 4,36	0,33 / 4,36
Level	-2 dB	-2 dB	-2 dB	-2 dB	-2 dB	-2 dB
EQ5 Bypass	Off	Off	Off	Off	Off	Off
Type	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ
Freq	1741Hz	1741Hz	1741Hz	1741Hz	1741Hz	1741Hz
BW/Q	0,20 / 7,2	0,20 / 7,2	0,20 / 7,2	0,20 / 7,2	0,20 / 7,2	0,20 / 7,2
Level	3 dB	3 dB	3 dB	3 dB	3 dB	3 dB
EQ6 Bypass	Off	Off	Off	Off	Off	Off
Type	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ
Freq	2340Hz	2340Hz	2340Hz	2340Hz	2340Hz	2340Hz
BW/Q	0,3 / 4,8	0,3 / 4,8	0,3 / 4,8	0,3 / 4,8	0,3 / 4,8	0,3 / 4,8
Level	-1 dB	-1 dB	-1 dB	-1 dB	-1 dB	-1 dB
EQ7 Bypass	Off	Off	Off	Off	Off	Off
Type	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ
Freq	3044 Hz	3044 Hz	3044 Hz	3044 Hz	3044 Hz	3044 Hz
BW/Q	0,3 / 4,8	0,3 / 4,8	0,3 / 4,8	0,3 / 4,8	0,3 / 4,8	0,3 / 4,8
Level	-4 dB	-4 dB	-4 dB	-4 dB	-4 dB	-4 dB
EQ8 Bypass	Off	Off	Off	Off	Off	Off
Type	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ
Freq	13408Hz	13408Hz	13408Hz	13408Hz	13408Hz	13408Hz
BW/Q	1,67 / 0,8	1,67 / 0,8	1,67 / 0,8	1,67 / 0,8	1,67 / 0,8	1,67 / 0,8
Level	5 dB	5 dB	5 dB	5 dB	5 dB	5 dB
TYPL	Butterworth	Butterworth	Butterworth	Butterworth	Butterworth	Butterworth
FRQL	35Hz	35Hz	35Hz	35Hz	35Hz	35Hz
SLPL	24dB/oct	24dB/oct	24dB/oct	24dB/oct	24dB/oct	24dB/oct
TYPH	Butterworth	Butterworth	Butterworth	Butterworth	Butterworth	Butterworth
FRQH	20000Hz	20000Hz	20000Hz	20000Hz	20000Hz	20000Hz
SLPH	24dB/oct	24dB/oct	24dB/oct	24dB/oct	24dB/oct	24dB/oct
THRESH	5,5dBu	5,5dBu	5,5dBu	5,5dBu	5,5dBu	5,5dBu
ATTACK	4ms	4ms	4ms	4ms	4ms	4ms
RELEASE	32x	32x	32x	32x	32x	32x
IN1	0.00	OFF	0.00	OFF	0.00	OFF
IN2	OFF	0.00	OFF	0.00	OFF	0.00
IN3	OFF	OFF	OFF	OFF	OFF	OFF

PRESET2: NEARFIELD

Parameters	Out 1/ LEFT_1	Out 2/RIGH_1	Out3/LEFT_2	Out 4/RIGH_2	Out 5/LEFT_3	Out 6/RIGH_3
Level	0 dB	0 dB	0 dB	0 dB	0 dB	0 dB
POL	+	+	+	+	+	+
Delay	0.0ms	0.0ms	0.0ms	0.0ms	0.0ms	0.0ms
EQ1 Bypass	Off	Off	Off	Off	Off	Off
Type	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ
Freq	53Hz	53Hz	53Hz	53Hz	53Hz	53Hz
BW/Q	0,6 / 2,38	0,6 / 2,38	0,6 / 2,38	0,6 / 2,38	0,6 / 2,38	0,6 / 2,38
Level	6 dB	6 dB	6 dB	6 dB	6 dB	6 dB
EQ2 Bypass	Off	Off	Off	Off	Off	Off
Type	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ
Freq	390Hz	390Hz	390Hz	390Hz	390Hz	390Hz
BW/Q	0,33 / 4,36	0,33 / 4,36	0,33 / 4,36	0,33 / 4,36	0,33 / 4,36	0,33 / 4,36
Level	-3 dB	-3 dB	-3 dB	-3 dB	-3 dB	-3 dB
EQ3 Bypass	Off	Off	Off	Off	Off	Off
Type	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ
Freq	5310Hz	5310Hz	5310Hz	5310Hz	5310Hz	5310Hz
BW/Q	0,60 / 2,38	0,60 / 2,38	0,60 / 2,38	0,60 / 2,38	0,60 / 2,38	0,60 / 2,38
Level	-4 dB	-4 dB	-4 dB	-4 dB	-4 dB	-4 dB
EQ4 Bypass	Off	Off	Off	Off	Off	Off
Type	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ
Freq	800Hz	800Hz	800Hz	800Hz	800Hz	800Hz
BW/Q	0,33 / 4,36	0,33 / 4,36	0,33 / 4,36	0,33 / 4,36	0,33 / 4,36	0,33 / 4,36
Level	-2 dB	-2 dB	-2 dB	-2 dB	-2 dB	-2 dB
EQ5 Bypass						
Type						
Freq						
BW/Q						
Level						
EQ6 Bypass	Off	Off	Off	Off	Off	Off
Type	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ
Freq	2340Hz	2340Hz	2340Hz	2340Hz	2340Hz	2340Hz
BW/Q	0,3 / 4,8	0,3 / 4,8	0,3 / 4,8	0,3 / 4,8	0,3 / 4,8	0,3 / 4,8
Level	-4 dB	-4 dB	-4 dB	-4 dB	-4 dB	-4 dB
EQ7 Bypass	Off	Off	Off	Off	Off	Off
Type	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ
Freq	3044 Hz	3044 Hz	3044 Hz	3044 Hz	3044 Hz	3044 Hz
BW/Q	0,3 / 4,8	0,3 / 4,8	0,3 / 4,8	0,3 / 4,8	0,3 / 4,8	0,3 / 4,8
Level	-4 dB	-4 dB	-4 dB	-4 dB	-4 dB	-4 dB
EQ8 Bypass	Off	Off	Off	Off	Off	Off
Type	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ
Freq	13408Hz	13408Hz	13408Hz	13408Hz	13408Hz	13408Hz
BW/Q	1,67 / 0,8	1,67 / 0,8	1,67 / 0,8	1,67 / 0,8	1,67 / 0,8	1,67 / 0,8
Level	5 dB	5 dB	5 dB	5 dB	5 dB	5 dB
TYPL	Butterworth	Butterworth	Butterworth	Butterworth	Butterworth	Butterworth
FRQL	35Hz	35Hz	35Hz	35Hz	35Hz	35Hz
SLPL	24dB/oct	24dB/oct	24dB/oct	24dB/oct	24dB/oct	24dB/oct
TYPH	Butterworth	Butterworth	Butterworth	Butterworth	Butterworth	Butterworth
FRQH	20000Hz	20000Hz	20000Hz	20000Hz	20000Hz	20000Hz
SLPH	24dB/oct	24dB/oct	24dB/oct	24dB/oct	24dB/oct	24dB/oct
THRESH	5,5dBu	5,5dBu	5,5dBu	5,5dBu	5,5dBu	5,5dBu
ATTACK	4ms	4ms	4ms	4ms	4ms	4ms
RELEASE	32x	32x	32x	32x	32x	32x
IN1	0.00	OFF	0.00	OFF	0.00	OFF
IN2	OFF	0.00	OFF	0.00	OFF	0.00
IN3	OFF	OFF	OFF	OFF	OFF	OFF

PRESET3: LOUDNESS

Parameters	Out 1/ LEFT_1	Out 2/RIGH_1	Out3/LEFT_2	Out 4/RIGH_2	Out 5/LEFT_3	Out 6/RIGH_3
Level	0 dB	0 dB	0 dB	0 dB	0 dB	0 dB
POL	+	+	+	+	+	+
Delay	0.0ms	0.0ms	0.0ms	0.0ms	0.0ms	0.0ms
EQ1 Bypass	Off	Off	Off	Off	Off	Off
Type	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ
Freq	53Hz	53Hz	53Hz	53Hz	53Hz	53Hz
BW/Q	0,6 / 2,38	0,6 / 2,38	0,6 / 2,38	0,6 / 2,38	0,6 / 2,38	0,6 / 2,38
Level	6 dB	6 dB	6 dB	6 dB	6 dB	6 dB
EQ2 Bypass	Off	Off	Off	Off	Off	Off
Type	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ
Freq	390Hz	390Hz	390Hz	390Hz	390Hz	390Hz
BW/Q	0,33 / 4,36	0,33 / 4,36	0,33 / 4,36	0,33 / 4,36	0,33 / 4,36	0,33 / 4,36
Level	-3 dB	-3 dB	-3 dB	-3 dB	-3 dB	-3 dB
EQ3 Bypass	Off	Off	Off	Off	Off	Off
Type	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ
Freq	5310Hz	5310Hz	5310Hz	5310Hz	5310Hz	5310Hz
BW/Q	0,60 / 2,38	0,60 / 2,38	0,60 / 2,38	0,60 / 2,38	0,60 / 2,38	0,60 / 2,38
Level	-4 dB	-4 dB	-4 dB	-4 dB	-4 dB	-4 dB
EQ4 Bypass	Off	Off	Off	Off	Off	Off
Type	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ
Freq	800Hz	800Hz	800Hz	800Hz	800Hz	800Hz
BW/Q	0,33 / 4,36	0,33 / 4,36	0,33 / 4,36	0,33 / 4,36	0,33 / 4,36	0,33 / 4,36
Level	-2 dB	-2 dB	-2 dB	-2 dB	-2 dB	-2 dB
EQ5 Bypass	Off	Off	Off	Off	Off	Off
Type	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ
Freq	1741Hz	1741Hz	1741Hz	1741Hz	1741Hz	1741Hz
BW/Q	0,20 / 7,2	0,20 / 7,2	0,20 / 7,2	0,20 / 7,2	0,20 / 7,2	0,20 / 7,2
Level	-3 dB	-3 dB	-3 dB	-3 dB	-3 dB	-3 dB
EQ6 Bypass	Off	Off	Off	Off	Off	Off
Type	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ
Freq	2340Hz	2340Hz	2340Hz	2340Hz	2340Hz	2340Hz
BW/Q	0,3 / 4,8	0,3 / 4,8	0,3 / 4,8	0,3 / 4,8	0,3 / 4,8	0,3 / 4,8
Level	-7 dB	-7 dB	-7 dB	-7 dB	-7 dB	-7 dB
EQ7 Bypass	Off	Off	Off	Off	Off	Off
Type	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ
Freq	3044 Hz	3044 Hz	3044 Hz	3044 Hz	3044 Hz	3044 Hz
BW/Q	0,3 / 4,8	0,3 / 4,8	0,3 / 4,8	0,3 / 4,8	0,3 / 4,8	0,3 / 4,8
Level	-4 dB	-4 dB	-4 dB	-4 dB	-4 dB	-4 dB
EQ8 Bypass	Off	Off	Off	Off	Off	Off
Type	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ
Freq	13408Hz	13408Hz	13408Hz	13408Hz	13408Hz	13408Hz
BW/Q	1,67 / 0,8	1,67 / 0,8	1,67 / 0,8	1,67 / 0,8	1,67 / 0,8	1,67 / 0,8
Level	5 dB	5 dB	5 dB	5 dB	5 dB	5 dB
TYPL	Butterworth	Butterworth	Butterworth	Butterworth	Butterworth	Butterworth
FRQL	35Hz	35Hz	35Hz	35Hz	35Hz	35Hz
SLPL	24dB/oct	24dB/oct	24dB/oct	24dB/oct	24dB/oct	24dB/oct
TYPH	Butterworth	Butterworth	Butterworth	Butterworth	Butterworth	Butterworth
FRQH	20000Hz	20000Hz	20000Hz	20000Hz	20000Hz	20000Hz
SLPH	24dB/oct	24dB/oct	24dB/oct	24dB/oct	24dB/oct	24dB/oct
THRESH	5,5dBu	5,5dBu	5,5dBu	5,5dBu	5,5dBu	5,5dBu
ATTACK	4ms	4ms	4ms	4ms	4ms	4ms
RELEASE	32x	32x	32x	32x	32x	32x
IN1	0.00	OFF	0.00	OFF	0.00	OFF
IN2	OFF	0.00	OFF	0.00	OFF	0.00
IN3	OFF	OFF	OFF	OFF	OFF	OFF

PRESET4: SPEECH

Parameters	Out 1/ LEFT_1	Out 2/RIGH_1	Out3/LEFT_2	Out 4/RIGH_2	Out 5/LEFT_3	Out 6/RIGH_3
Level	0 dB	0 dB	0 dB	0 dB	0 dB	0 dB
POL	+	+	+	+	+	+
Delay	0.0ms	0.0ms	0.0ms	0.0ms	0.0ms	0.0ms
EQ1 Bypass	Off	Off	Off	Off	Off	Off
Type	HI-SHELF	HI-SHELF	HI-SHELF	HI-SHELF	HI-SHELF	HI-SHELF
Freq	9000Hz	9000Hz	9000Hz	9000Hz	9000Hz	9000Hz
BW/Q	1,9 / 0,7	1,9 / 0,7	1,9 / 0,7	1,9 / 0,7	1,9 / 0,7	1,9 / 0,7
Level	-6 dB	-6 dB	-6 dB	-6 dB	-6 dB	-6 dB
EQ2 Bypass	Off	Off	Off	Off	Off	Off
Type	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ
Freq	390Hz	390Hz	390Hz	390Hz	390Hz	390Hz
BW/Q	0,33 / 4,36	0,33 / 4,36	0,33 / 4,36	0,33 / 4,36	0,33 / 4,36	0,33 / 4,36
Level	-3 dB	-3 dB	-3 dB	-3 dB	-3 dB	-3 dB
EQ3 Bypass	Off	Off	Off	Off	Off	Off
Type	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ
Freq	5310Hz	5310Hz	5310Hz	5310Hz	5310Hz	5310Hz
BW/Q	0,60 / 2,38	0,60 / 2,38	0,60 / 2,38	0,60 / 2,38	0,60 / 2,38	0,60 / 2,38
Level	-4 dB	-4 dB	-4 dB	-4 dB	-4 dB	-4 dB
EQ4 Bypass	Off	Off	Off	Off	Off	Off
Type	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ
Freq	800Hz	800Hz	800Hz	800Hz	800Hz	800Hz
BW/Q	0,33 / 4,36	0,33 / 4,36	0,33 / 4,36	0,33 / 4,36	0,33 / 4,36	0,33 / 4,36
Level	-2 dB	-2 dB	-2 dB	-2 dB	-2 dB	-2 dB
EQ5 Bypass	Off	Off	Off	Off	Off	Off
Type	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ
Freq	1741Hz	1741Hz	1741Hz	1741Hz	1741Hz	1741Hz
BW/Q	0,20 / 7,2	0,20 / 7,2	0,20 / 7,2	0,20 / 7,2	0,20 / 7,2	0,20 / 7,2
Level	3 dB	3 dB	3 dB	3 dB	3 dB	3 dB
EQ6 Bypass	Off	Off	Off	Off	Off	Off
Type	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ
Freq	2340Hz	2340Hz	2340Hz	2340Hz	2340Hz	2340Hz
BW/Q	0,3 / 4,8	0,3 / 4,8	0,3 / 4,8	0,3 / 4,8	0,3 / 4,8	0,3 / 4,8
Level	-1 dB	-1 dB	-1 dB	-1 dB	-1 dB	-1 dB
EQ7 Bypass	Off	Off	Off	Off	Off	Off
Type	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ
Freq	3044 Hz	3044 Hz	3044 Hz	3044 Hz	3044 Hz	3044 Hz
BW/Q	0,3 / 4,8	0,3 / 4,8	0,3 / 4,8	0,3 / 4,8	0,3 / 4,8	0,3 / 4,8
Level	-4 dB	-4 dB	-4 dB	-4 dB	-4 dB	-4 dB
EQ8 Bypass	Off	Off	Off	Off	Off	Off
Type	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ
Freq	13408Hz	13408Hz	13408Hz	13408Hz	13408Hz	13408Hz
BW/Q	1,67 / 0,8	1,67 / 0,8	1,67 / 0,8	1,67 / 0,8	1,67 / 0,8	1,67 / 0,8
Level	5 dB	5 dB	5 dB	5 dB	5 dB	5 dB
TYPL	Butterworth	Butterworth	Butterworth	Butterworth	Butterworth	Butterworth
FRQL	35Hz	35Hz	35Hz	35Hz	35Hz	35Hz
SLPL	24dB/oct	24dB/oct	24dB/oct	24dB/oct	24dB/oct	24dB/oct
TYPH	Butterworth	Butterworth	Butterworth	Butterworth	Butterworth	Butterworth
FRQH	20000Hz	20000Hz	20000Hz	20000Hz	20000Hz	20000Hz
SLPH	24dB/oct	24dB/oct	24dB/oct	24dB/oct	24dB/oct	24dB/oct
THRESH	5,5dBu	5,5dBu	5,5dBu	5,5dBu	5,5dBu	5,5dBu
ATTACK	4ms	4ms	4ms	4ms	4ms	4ms
RELEASE	32x	32x	32x	32x	32x	32x
IN1	0.00	OFF	0.00	OFF	0.00	OFF
IN2	OFF	0.00	OFF	0.00	OFF	0.00
IN3	OFF	OFF	OFF	OFF	OFF	OFF

PRESET5: XOVER

Parameters	Out 1/ LEFT_1	Out 2/RIGH_1	Out3/LEFT_2	Out 4/RIGH_2	Out 5/LEFT_3	Out 6/RIGH_3
Level	0 dB	0 dB	0 dB	0 dB	0 dB	0 dB
POL	+	+	+	+	+	+
Delay	0.0ms	0.0ms	0.0ms	0.0ms	0.0ms	0.0ms
EQ1 Bypass	Off	Off	Off	Off	Off	Off
Type	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ
Freq	53Hz	53Hz	53Hz	53Hz	53Hz	53Hz
BW/Q	0,6 / 2,38	0,6 / 2,38	0,6 / 2,38	0,6 / 2,38	0,6 / 2,38	0,6 / 2,38
Level	6 dB	6 dB	6 dB	6 dB	6 dB	6 dB
EQ2 Bypass	Off	Off	Off	Off	Off	Off
Type	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ
Freq	390Hz	390Hz	390Hz	390Hz	390Hz	390Hz
BW/Q	0,33 / 4,36	0,33 / 4,36	0,33 / 4,36	0,33 / 4,36	0,33 / 4,36	0,33 / 4,36
Level	-3 dB	-3 dB	-3 dB	-3 dB	-3 dB	-3 dB
EQ3 Bypass	Off	Off	Off	Off	Off	Off
Type	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ
Freq	5310Hz	5310Hz	5310Hz	5310Hz	5310Hz	5310Hz
BW/Q	0,60 / 2,38	0,60 / 2,38	0,60 / 2,38	0,60 / 2,38	0,60 / 2,38	0,60 / 2,38
Level	-4 dB	-4 dB	-4 dB	-4 dB	-4 dB	-4 dB
EQ4 Bypass	Off	Off	Off	Off	Off	Off
Type	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ
Freq	800Hz	800Hz	800Hz	800Hz	800Hz	800Hz
BW/Q	0,33 / 4,36	0,33 / 4,36	0,33 / 4,36	0,33 / 4,36	0,33 / 4,36	0,33 / 4,36
Level	-2 dB	-2 dB	-2 dB	-2 dB	-2 dB	-2 dB
EQ5 Bypass	Off	Off	Off	Off	Off	Off
Type	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ
Freq	1741Hz	1741Hz	1741Hz	1741Hz	1741Hz	1741Hz
BW/Q	0,20 / 7,2	0,20 / 7,2	0,20 / 7,2	0,20 / 7,2	0,20 / 7,2	0,20 / 7,2
Level	3 dB	3 dB	3 dB	3 dB	3 dB	3 dB
EQ6 Bypass	Off	Off	Off	Off	Off	Off
Type	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ
Freq	2340Hz	2340Hz	2340Hz	2340Hz	2340Hz	2340Hz
BW/Q	0,3 / 4,8	0,3 / 4,8	0,3 / 4,8	0,3 / 4,8	0,3 / 4,8	0,3 / 4,8
Level	-1 dB	-1 dB	-1 dB	-1 dB	-1 dB	-1 dB
EQ7 Bypass	Off	Off	Off	Off	Off	Off
Type	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ
Freq	3044 Hz	3044 Hz	3044 Hz	3044 Hz	3044 Hz	3044 Hz
BW/Q	0,3 / 4,8	0,3 / 4,8	0,3 / 4,8	0,3 / 4,8	0,3 / 4,8	0,3 / 4,8
Level	-4 dB	-4 dB	-4 dB	-4 dB	-4 dB	-4 dB
EQ8 Bypass	Off	Off	Off	Off	Off	Off
Type	PEQ	PEQ	PEQ	PEQ	PEQ	PEQ
Freq	13408Hz	13408Hz	13408Hz	13408Hz	13408Hz	13408Hz
BW/Q	1,67 / 0,8	1,67 / 0,8	1,67 / 0,8	1,67 / 0,8	1,67 / 0,8	1,67 / 0,8
Level	5 dB	5 dB	5 dB	5 dB	5 dB	5 dB
TYPL	Butterworth	Butterworth	Butterworth	Butterworth	Butterworth	Butterworth
FRQL	100Hz	100Hz	100Hz	100Hz	100Hz	100Hz
SLPL	24dB/oct	24dB/oct	24dB/oct	24dB/oct	24dB/oct	24dB/oct
TYPH	Butterworth	Butterworth	Butterworth	Butterworth	Butterworth	Butterworth
FRQH	20000Hz	20000Hz	20000Hz	20000Hz	20000Hz	20000Hz
SLPH	24dB/oct	24dB/oct	24dB/oct	24dB/oct	24dB/oct	24dB/oct
THRESH	5,5dBu	5,5dBu	5,5dBu	5,5dBu	5,5dBu	5,5dBu
ATTACK	4ms	4ms	4ms	4ms	4ms	4ms
RELEASE	32x	32x	32x	32x	32x	32x
IN1	0.00	OFF	0.00	OFF	0.00	OFF
IN2	OFF	0.00	OFF	0.00	OFF	0.00
IN3	OFF	OFF	OFF	OFF	OFF	OFF