

mc.lab

We are not reinventing the wheel, just making it better



Using the latest developments in the field of Car Audio, our company strives to offer a modern, high-quality product at competitive prices, often surpassing parameters of more famous and expensive brands.

Our competitive advantage stems from continuous communication with the end consumer, professional installers, installation studios and professionals participating in car audio competitions. Together we rejoice in every victory, every successful test in the specialized press! We are constantly learning and we want to be the best!

We hope that you will like MD.Lab products and they will let you enjoy your favorite music for many years!

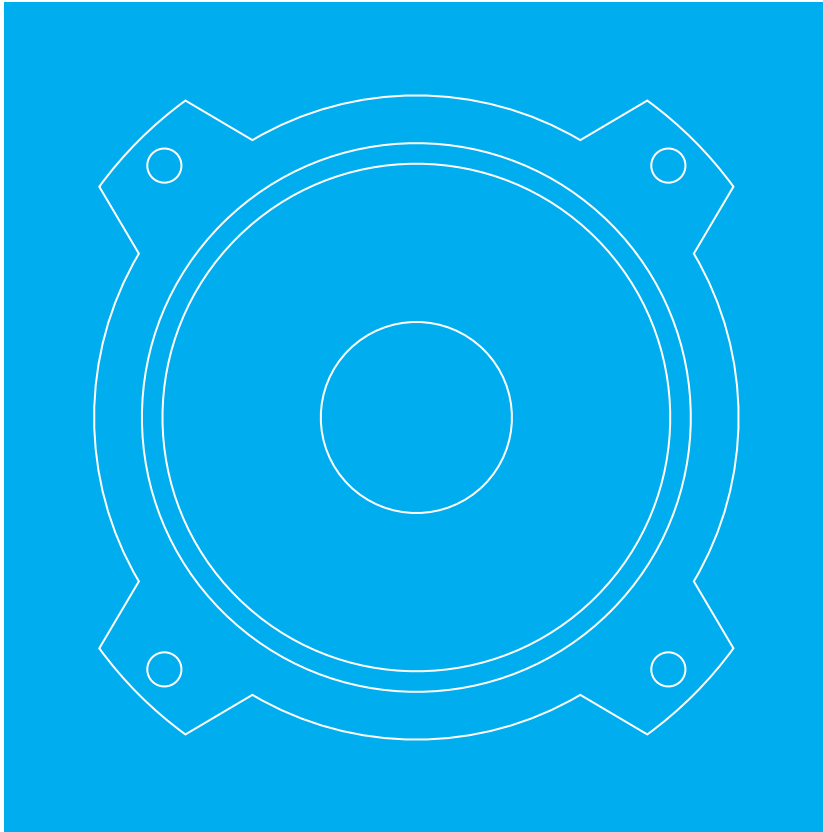
Regards,
General Manager of MD.Lab

A handwritten signature in blue ink, likely belonging to Andrey Vakhtin.

Andrey Vakhtin



Speakers



A, B, C, D, E-Series

A-Series speakers

Hi-End level acoustics

Hi-End level A-series speakers are the pinnacle of the company's lineup.

The speakers are assembled using a cast aluminum frame and diffuser is made from a proprietary three-layer material, which is much lighter than traditional paper, but has better rigidity. In the center there is a phase-leveling copper-plated stationary bullet.

The magnets cover also has copper coating.

Tweeters have 28 mm* soft dome with full corrugation in suspension. Front flange is at the same time a short horn, which provides better interaction between the membrane and the environment in the bottom of the range.

To protect domes, the mesh with hexagonal holes of a bigger size is used, which does not obstruct the sound.

Crossovers are assembled from top-notch components (capacitors SOLEN, BENNIC, resistors of Danish company Danotherm), which are hand-selected and have minimal variation of parameters. Crossover architecture allows you to use Bi-Wiring or Bi-Amping connection type.

* The model SP-A17.2 has 25mm dome tweeter.

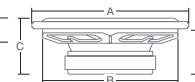
More information at
<http://md-lab.eu/shop/speakers/>



SP-T1.28



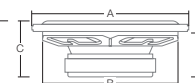
Parameters		Size, mm				
Type	Tweeter	Dimension	A	B	C	D
Impedance	4 Ohm		70	51	34	20,5
RMS Power	50 W					
Sensitivity	90 db					
Freq. Response	1,6 KHz—25 kHz					



SP-M3D



Parameters		Size, mm				
Type	Midrange	Dimension	A	B	C	D
Impedance	4 Ohm		88,5	73,5	41	35
RMS Power	50 W					
Sensitivity	91 db					
Freq. Response	200 Hz—4 kHz					

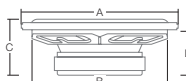




SP-M3S



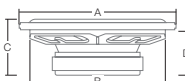
Parameters		Size, mm				
Type	Midrange	Dimension	A	B	C	D
Impedance	4Ohm		100	84	75	57
RMS Power	50W					
Sensitivity	90 db					
Freq. Response	700 Hz—6 kHz					



SP-MB20



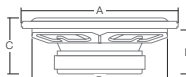
Parameters		Size, mm				
Type	Woofer	Dimension	A	B	C	D
Impedance	4 Ohm		221	181	93	83
RMS Power	80 W					
Sensitivity	91 db					
Freq. Response	40Hz—4kHz					



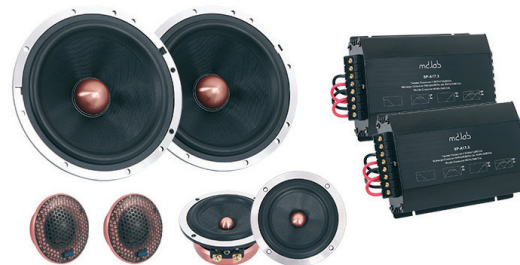
SP-MB17



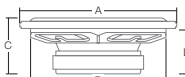
Parameters		Size, mm				
Type	Woofer	Dimension	A	B	C	D
Impedance	4 Ohm		166,2	142	77	69
RMS Power	80 W					
Sensitivity	91 db					
Freq. Response	50Hz—4kHz					



SP-A17.3D



Parameters		Size, mm				
Type	Component	Dimension	A	B	C	D
Impedance	4 Ohm	6" midbass	166,2	142	77	69
RMS Power	90 W	3" midrange	88,5	73,5	41	35
Sensitivity	91 db	Tweeter	60	51	34	20,5
Freq. Response	50Hz—25kHz					



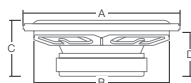
A-Series speakers

Hi-End level acoustics

SP-A17.3S



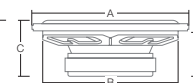
Parameters		Size, mm				
Type	Component	Dimension	A	B	C	D
Impedance	4 Ohm	6,5" midbass	166,2	142	77	69
RMS Power	90 W	3,5" midrange	100	84	75	57
Sensitivity	91 db	Tweeter	60	51	34	20,5
Freq. Response	50Hz—25kHz					



SP-A17.2C



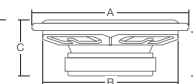
Parameters		Size, mm				
Type	Component	Dimension	A	B	C	D
Impedance	4 Ohm	6,5" midbass	166,2	142	77	69
RMS Power	90 W	Tweeter	60	51	34	20,5
Sensitivity	91 db					
Freq. Response	50Hz—25kHz					



SP-A17.2



Parameters		Size, mm				
Type	Component	Dimension	A	B	C	D
Impedance	4 Ohm	6,5" midbass	166,2	142	77	69
RMS Power	90 W	Tweeter	69,5	43	39,5	24
Sensitivity	91 db					
Freq. Response	50Hz—25kHz					



More information at
<http://md-lab.eu/shop/speakers/>





B-Series speakers

Quality sound for music lovers



B-series speakers were designed taking into account opinions of numerous consumers, who place high demands on sound quality, but are not willing to pay for the top-end A series. Using the senior line technology, we tried to considerably cut the cost of components. In addition, we offer a 13-cm version that can operate inside a very compact housing — it is primarily useful for powerful audio systems for motorcycles.

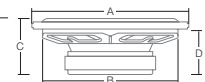
More information at
<http://md-lab.eu/shop/speakers/>



SP-T1.28B



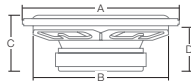
Parameters		Size, mm				
Type	Tweeter	Dimension	A	B	C	D
Impedance	4 Ohm		60	51	28	69
RMS Power	50 W					
Sensitivity	90 db					
Freq. Response	2,5 KHz—25 kHz					



SP-MB13B



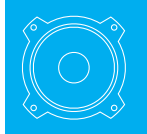
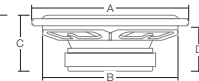
Parameters		Size, mm				
Type	Woofer	Dimension	A	B	C	D
Impedance	4 Ohm		130	122	67	59
RMS Power	50 W					



SP-B13.2



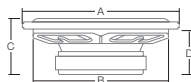
Parameters		Size, mm				
Type	Component	Dimension	A	B	C	D
Impedance	4 Ohm	6" midbass	130	122	67	59
RMS Power	80 W	Tweeter	60	51	28	16
Sensitivity	90 dB					
Freq. Response	60 Hz—22 kHz					



SP-MB17B



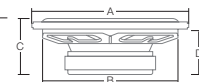
Parameters		Size, mm				
Type	Woofer	Dimension	A	B	C	D
Impedance	4 Ohm		166,2	142	75	59
RMS Power	90 W					



SP-B17.2



Parameters		Size, mm				
Type	Component	Dimension	A	B	C	D
Impedance	4 Ohm	6" midbass	166	142	75	68
RMS Power	90 W	Tweeter	60	51	28	18
Sensitivity	91 dB					
Freq. Response	50 Hz—25 kHz					



C-Series speakers

Real bestseller

Middle-priced speakers.

Traditionally, MD.Lab used solutions applicable to the top series : copper-plated phase leveling bullet in mid-basses, acoustically transparent grille with large hexagonal holes.

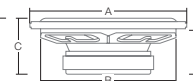
Very interesting solution has been applied to the woofers design: use of molded plastic in supporting basket. This eliminates harmful resonances in the dynamic head and can significantly reduce the weight of the speaker. The base of midbass cone is cellulose with «Foamed Glass» coating manufactured using a licensed technology. Tweeters have 25 mm silk dome.

From this year onwards, C-series will be extended due to a 3-way component system. Midrange speaker was developed on the basis of legendary SP-M3D.

SP-T1.25C



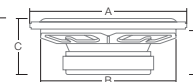
Parameters		Size, mm				
Type	Tweeter	Dimension	A	B	C	D
Impedance	4 Ohm		58	54	34	30
RMS Power	50 W					
Sensitivity	90 db					
Freq. Response	3 KHz—22 kHz					



SP-M3C



Parameters		Size, mm				
Type	Midrange	Dimension	A	B	C	D
Impedance	4 Ohm		88,5	73,5	39	33
RMS Power	50 W					
Sensitivity	90 db					
Freq. Response	200 Hz—4 kHz					



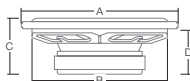
More information at
<http://md-lab.eu/shop/speakers/>



SP-MB17C



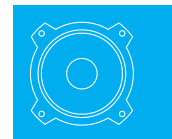
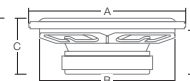
Parameters		Size, mm			
Type	Woofer	Dimension	A	B	C D
Impedance	4 Ohm		166	141	75 67,5
RMS Power	90 W				
Sensitivity	90 db				
Freq. Response	60 Hz—4 kHz				



SP-C17.3



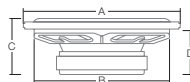
Parameters		Size, mm			
Type	Component	Dimension	A	B	C D
Impedance	4 Ohm	6" midbass	166	142	77 69
RMS Power	80 W	3" midrange	88,5	73,5	41 35
Sensitivity	90 dB	Tweeter	50,5	46,6	31,5 22
Freq. Response	60 Hz—22 kHz				



SP-C17.2



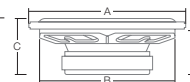
Parameters		Size, mm			
Type	Component	Dimension	A	B	C D
Impedance	4 Ohm	6" midbass	166	141	75 67,5
RMS Power	90 W	Tweeter	50,5	46,6	31,5 22
Sensitivity	90 dB				
Freq. Response	60 Hz—22 kHz				



SP-C172



Parameters		Size, mm			
Type	Coaxial	Dimension	A	B	C D
Impedance	4 Ohm	6" coaxial	166	141	75 67,5
RMS Power	70 W				
Sensitivity	90 dB				
Freq. Response	55 Hz—22 kHz				



D-Series speakers

Designed to meet the latest market requirements



The new D-series has been designed to meet the latest market requirements. High power, very high sensitivity, a large amount of bass and bright youth sonic character! We recommend using these speakers both with external amplifier and with built-in amplifier in head unit.

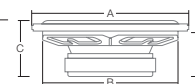
More information at
<http://md-lab.eu/shop/speakers/>



SP-D17.2



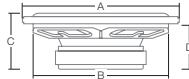
Parameters		Size, mm				
Type	Component	Dimension	A	B	C	D
Impedance	4 Ohm	6" midbass	166,5	144	64	59
RMS Power	80 W	Tweeter	51	45,5	25	16
Sensitivity	92 dB					
Freq. Response	60 Hz—22 kHz					



SP-D172



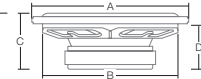
Parameters		Size, mm				
Type	Coaxial	Dimension	A	B	C	D
Impedance	4 Ohm	6" coaxial	166	145	73	67
RMS Power	80 W					
Sensitivity	92 dB					
Freq. Response	60 Hz—20 kHz					



SP-D132



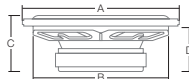
Parameters		Size, mm				
Type	Coaxial	Dimension	A	B	C	D
Impedance	4 Ohm	5" coaxial	155	117,5	71	65
RMS Power	70 W					
Sensitivity	90 dB					
Freq. Response	70 Hz—20 kHz					



SP-D13.2



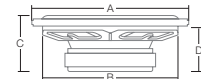
Parameters		Size, mm				
Type	Component	Dimension	A	B	C	D
Impedance	4 Ohm	5" midbass	153,6	114,5	59,5	53
RMS Power	70 W	Tweeter	51	45,5	25	16
Sensitivity	91 dB					
Freq. Response	70 Hz—22 kHz					



SP-D693



Parameters		Size, mm				
Type	Coaxial	Dimension	A	B	C	D
Impedance	4 Ohm	6x9" coaxial	242,5x172	215x148	71	65
RMS Power	90 W					
Sensitivity	93 dB					
Freq. Response	50 Hz—22 kHz					



E-Series speakers

Entry level

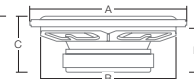
E-series speakers have a high usable sensitivity, which makes it a great alternative to OEM speakers and allows using it without an external amplifier. A great opportunity to enhance the sound of the standard audio system simply by changing speakers.

Despite the budget price, all the speakers in this series are equipped with diffusers made of cellulose with water-repellent imbibition and silk dome tweeters.

SP-E17.2



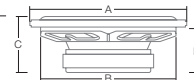
Parameters		Size, mm				
Type	Component	Dimension	A	B	C	D
Impedance	4 Ohm	6" midbass	166,5	144	61	55
RMS Power	70 W	Tweeter	51	45,5	25	16
Sensitivity	88 dB					
Freq. Response	60 Hz—22 kHz					



SP-E172



Parameters		Size, mm				
Type	Coaxial	Dimension	A	B	C	D
Impedance	4 Ohm	6" coaxial	166	145	70	64
RMS Power	50 W					
Sensitivity	88 dB					
Freq. Response	60 Hz—20 kHz					



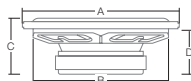
More information at
<http://md-lab.eu/shop/speakers/>



SP-E13.2



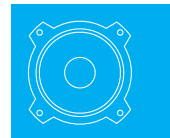
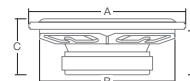
Parameters		Size, mm				
Type	Component	Dimension	A	B	C	D
Impedance	4 Ohm	5" midbass	153,6	114,5	56,5	550
RMS Power	60 W	Tweeter	51	45,5	25	16
Sensitivity	87 dB					
Freq. Response	70 Hz—22 kHz					



SP-E693



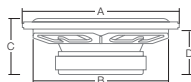
Parameters		Size, mm				
Type	Coaxial	Dimension	A	B	C	D
Impedance	4 Ohm	6x9" coaxial	242,5x172	215x148	90	80
RMS Power	90 W					
Sensitivity	89 dB					
Freq. Response	60 Hz—22 kHz					



SP-E132



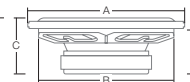
Parameters		Size, mm				
Type	Coaxial	Dimension	A	B	C	D
Impedance	4 Ohm	5" coaxial	155	117,5	68	62
RMS Power	60 W					
Sensitivity	87 dB					
Freq. Response	70 Hz—20 kHz					



SP-T1.20

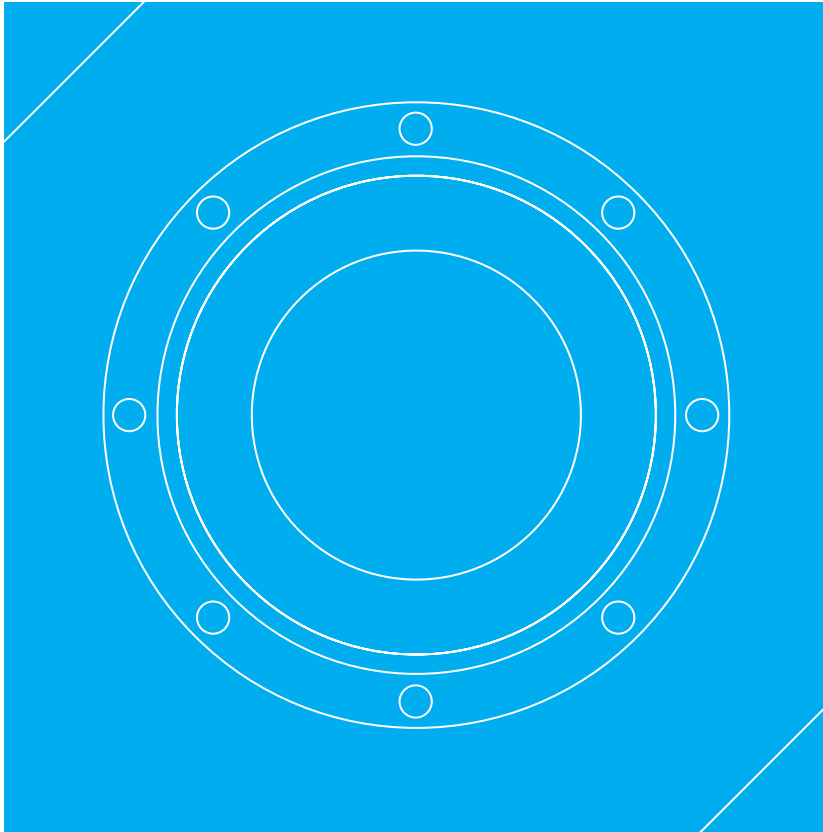


Parameters		Size, mm				
Type	Tweeter	Dimension	A	B	C	D
Impedance	4 Ohm		51	45,5	25	16
RMS Power	30 W					
Sensitivity	88 db					
Freq. Response	3 KHz—22 kHz					





Subwoofers

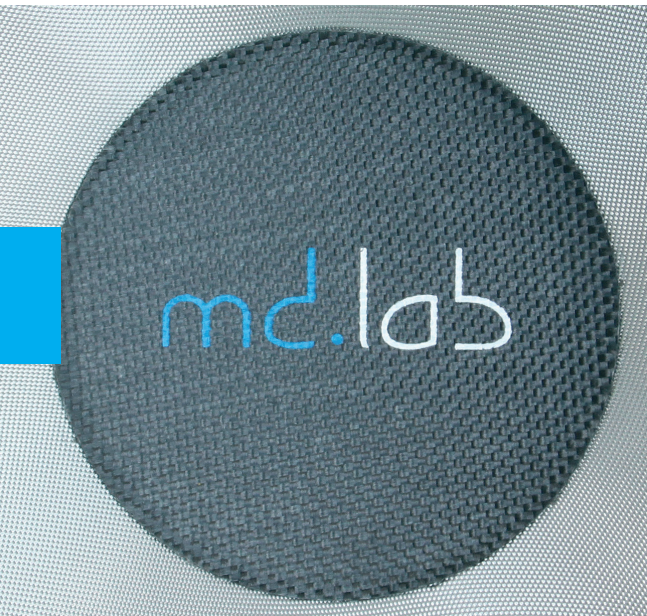


A, B, C, E, S-series & boxes

A-Series subwoofers

A true high quality loud sound

A



Subwoofers in this series are designed for uncompromisingly accurate and loud bass! The original sandwich-cone, reinforced suspension, powerful magnet system and a 3-inch voice dual coil yielded clean and deep bass, fast and accurate work in transient processes, high sensitivity and great power.

More information at
<http://md-lab.eu/shop/subwoofers/>

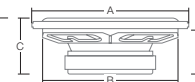


SW-A15



Parameters

Type	Subwoofer	Dimension	15" sub
Impedance	2x4 Ohm	Size, mm	
RMS Power	800 W	A	400
Sensitivity	93 dB	B	362
		C	270
		D	235

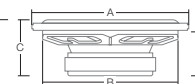


SW-A12



Parameters

Type	Subwoofer	Dimension	12" sub
Impedance	2x4 Ohm	Size, mm	
RMS Power	600 W	A	315
Sensitivity	91 dB	B	283
		C	232
		D	203



B-Series subwoofers

Exceptional sound quality

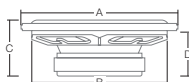
SW-B12F



Parameters

Size, mm

Type	Subwoofer	Dimension	A	B	C	D
Impedance	4 Ohm	12" sub	310	286	171	159
RMS Power	300 W					
Sensitivity	85 dB					



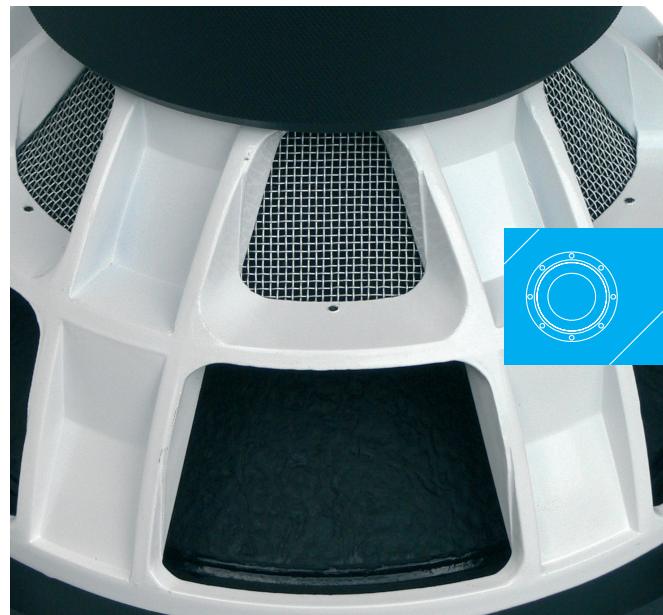
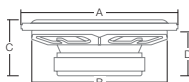
SW-B10F



Parameters

Size, mm

Type	Subwoofer	Dimension	A	B	C	D
Impedance	4 Ohm	10" sub	256	230	156	141
RMS Power	250 W					
Sensitivity	84,5 dB					



B-series subwoofers are speakers with exceptional features! They successfully operate in classical acoustic configurations, such as closed box and vented enclosure case, as well as in free-air or baffle configurations.

These speakers were used in all championship cars of MD.Lab Team in the 2013—2015 season. Simplicity of design, exceptional sound quality and unpretentiousness determined the choice of many consumers!

More information at
<http://md-lab.eu/shop/subwoofers/>



C-Series subwoofers

For those who are important not only to the sound



To create C-series subwoofers, we used traditional technology, but we also decided to please the fans of car audio: injection-molded basket with milled edges, metal protection of the magnetic system, splendid look and traditionally high quality sound.

More information at
<http://md-lab.eu/shop/subwoofers/>



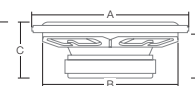
SW-C12



Parameters

Type	Subwoofer	Dimension	A	B	C	D
Impedance	4 Ohm	12" sub	316	284	171	150
RMS Power	350 W					
Sensitivity	90 dB					

Size, mm



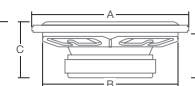
SW-C10



Parameters

Type	Subwoofer	Dimension	A	B	C	D
Impedance	4 Ohm	10" sub	323	278	144	126
RMS Power	300 W					
Sensitivity	89 dB					

Size, mm



E-Series subwoofers

Entry level

E

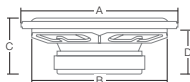
SW-B12E



Parameters

Size, mm

Type	Subwoofer	Dimension	A	B	C	D
Impedance	4 Ohm	12" sub	310	279	150	128
RMS Power	200 W					
Sensitivity	87,4 dB					



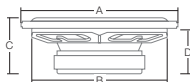
SW-B10E



Parameters

Size, mm

Type	Subwoofer	Dimension	A	B	C	D
Impedance	4 Ohm	10" sub	258	229	135	123
RMS Power	150 W					
Sensitivity	85,6 dB					



Despite of its budget price, E-series subwoofers have magnificent sound, very simplex in installing and ready to be bring joy in almost any corps types from closed box , vented box to free air.

More information at
<http://md-lab.eu/shop/subwoofers/>



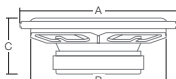
S-Series subwoofers

Plain construction of baskets

SW-ES10



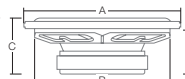
Parameters		Size, mm				
Type	Subwoofer	Dimension	A	B	C	D
Impedance	4 Ohm	10" sub	260	230	90	78
RMS Power	150 W					
Sensitivity	89 dB					



SW-ES12



Parameters		Size, mm				
Type	Subwoofer	Dimension	A	B	C	D
Impedance	4 Ohm	12" sub	317	283	102	83
RMS Power	200 W					
Sensitivity	90 dB					

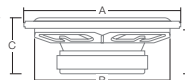


Modern cars impose a number of restrictions on the placement of subwoofers in building car audio system, so MD.Lab developed a couple of 10 and 12-inch subwoofers with plane baskets. Their mounting depth is only 60 and 72mm! These subwoofers can be successfully used not only in the traditional location, but, as an example, behind the back seats of pickup trucks. Special attention to S-12 subwoofer. Very likely it is the most powerful flat subwoofer in the world! Very tremendous sound!

SW-S12



Parameters		Size, mm				
Type	Subwoofer	Dimension	A	B	C	D
Impedance	4 Ohm	12" sub	322	288	98	82
RMS Power	350 W					
Sensitivity	90 dB					



More information at
<http://md-lab.eu/shop/subwoofers/>



Active subwoofer boxes

A simple solution for bass



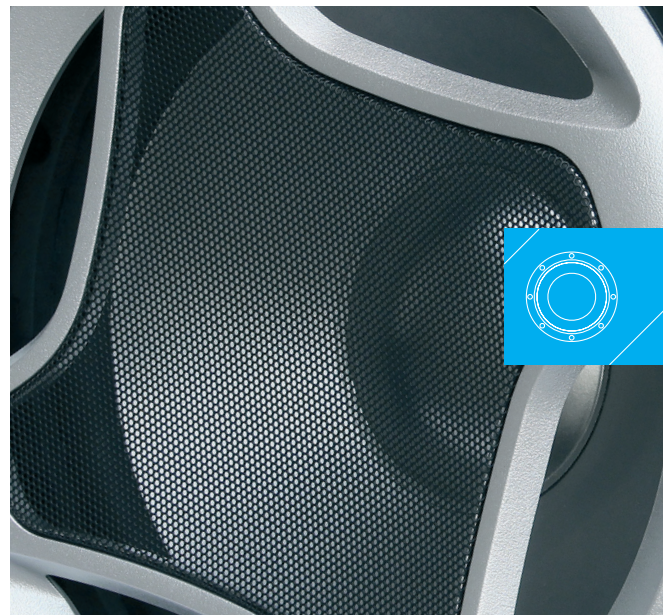
SW-12AM

Parameters		Size, mm			
Type	Active sub box	Dimension	W	H	D
Impedance	4 Ohm	12" sub box	390	315	345
RMS Power	200 W				



SW-10AM

Parameters		Size, mm			
Type	Active vented sub box	Dimension	W	H	D
Impedance	4 Ohm	10" sub box	551	435	320
RMS Power	150 W				



Perhaps the easiest way to improve the sound of the car audio system is to install assembled box subwoofer. For this purpose we propose to use our subwoofers with built-in power amplifiers. Just choose the appropriate size according the trunk geometry of the car.

More information at
<http://md-lab.eu/shop/subwoofers/>



Subwoofer boxes

Short description

If you already have an amplifier, then pay attention to the model SW-12SB, which has obvious advantage — a flat box, on which you can put your suitcase or purchases from a supermarket! Loudspeaker will always stay protected!

SW-J12KIT set is all-in-one: box subwoofer, bass amp and a set of wires to connect.

SW-12SB



Parameters		Size, mm			
Type	Subwoofer box	Dimension	W	H	D
Impedance	4 Ohm	sub box	630	200	350
RMS Power	200 W				

SW-J12 KIT



Parameters		Size, mm			
Type	Kit	Dimension	W	H	D
Impedance	4 Ohm	sub box	445	160/240	265
RMS Power	200 W	amplifier	210	45	210

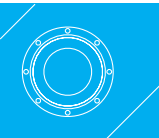
More information at
<http://md-lab.eu/shop/subwoofers/>



Built-in amplifier

Integrate it with your subwoofer!

AM-DCI200.1



Parameters

Type	Amplifier	High-level input	+
RMS Power		Remote control	+
- @ 4 Ohm	200 W	Signal/noise ratio	> 85db
- @ 2 Ohm	330 W	Frequency response	10Hz-300Hz
Filters type	LP	Dimensions, mm	170x130x75
Slope	12db/Oct		

If you already have a boxed subwoofer, but you have not yet purchased an amplifier for it, we strongly recommend our built-in model AM-DCI200.1. This is simple and elegant solution — just cut a mounting hole in the subwoofer's case and install the amplifier board! Despite its modest size, this device has all the necessary settings: from the bass level remote control to smooth phase adjustment. If there are no RCA outputs in your head unit, you can use high level inputs

More information at
http://md-lab.eu/shop/amplifiers/monoblocks/MDLab_AM-DCI-200.1/





Global subwoofers

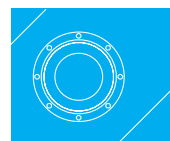
Thiele-Small parameters



	SW-A15	SW-A12	SW-B12F	SW-B10F	SW-C12	
Sensitivity	93	91	84,7	84,5	90	
Voice coil resistance, Ohm	2x4	2x4	4	4	4	
Qms	3,17	2,13	1,84	5,33	1,57	
Qes	0,74	0,58	1,57	1,19	0,23	
Qts	0,60	0,46	1,29	0,98	0,20	
Fs, Hz	29.296	31,320	42,8	52,1	25,146	
Vas, L	100,99	49,52	38,20	15,40	77,78	
Cms	109,956	106,382	218,17	267,04	227,309	
Mms, gr	268,41	242,74	150,00	122,00	176,23	
Sd, sm2	804,25	572,56	490,36	341,01	490,87	
BL	11,00	12,20	9,30	11,30	21,32	

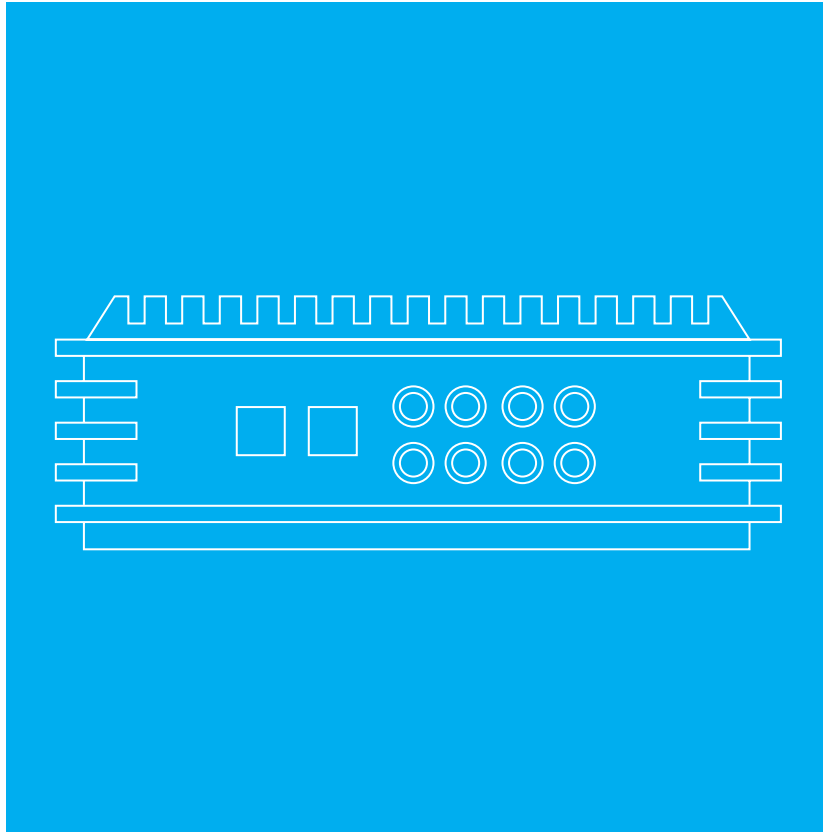


	SW-C10	SW-B12E	SW-B10E	SW-ES12	SW-ES10	SW-S12
	89	87,4	85,6	90	89	90
	4	4	4	4	4	4
	4,02	1,76	4,32	2,02	3,22	2,47
	0,39	0,73	0,61	0,95	0,81	0,52
	0,36	0,65	0,52	0,65	0,65	0,43
	36,885	43,6	32,8	30,393	33,370	39,404
	39,70	31,60	40,70	77,37	45,14	58,33
	256,625	227,84	265,42	226,110	291,798	125,309
	72,55	149,06	106,90	121,28	77,96	130,19
	330,06	480,15	329,24	490,87	330,06	572,56
	12,80	14,50	11,40	9,63	8,77	15,33





Amplifiers



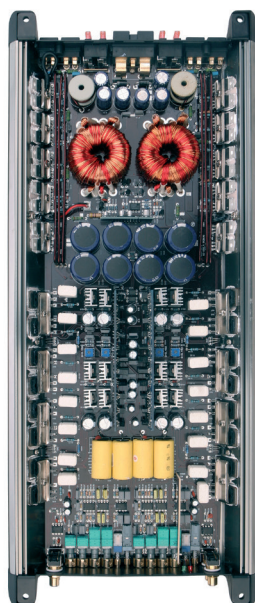
SQ, A, B, D, EI, Ld-Series

SQ-Series amplifiers

Super quality sound

SQ

Especially for car audio fans and professionals, MD.Lab company released a limited series of SQ amplifiers. This is the pinnacle of MD.Lab amplifiers for today, in which we have used the best audio components, such as Burr Brown operational amplifiers, matching pairs of output transistors, sound ceramic capacitors and powerful built-in power supply units with large capacity of capacitors and hand-reeled toroidal transformers. The result is car audio amplifiers with the highest possible sound quality.



More information at
<http://md-lab.eu/shop/amplifiers/>



AM-SQ150.4



Parameters

Type	Amplifier	Filters type	LP/BP/HP
RMS Power		Slope	12db/Oct
- @ 4 Ohm	150W x 4	Signal /noise ratio	> 104db
- @ 2 Ohm	275W x 4	Frequency response	10Hz—50kHz
- @ bridge 4 Ohm	400W x 2	Dimensions, mm	470x213x55
Input sensitivity	0,2—5V		

AM-SQ200.2



Parameters

Type	Amplifier	Filters type	LP/HP
RMS Power		Slope	12db/Oct
- @ 4 Ohm	200W x 2	Signal /noise ratio	> 104db
- @ 2 Ohm	300W x 2	Frequency response	10Hz—50kHz
- @ bridge 4 Ohm	600W x 1	Dimensions, mm	400x213x55
Input sensitivity	0,2—5V		

A-Series amplifiers

Hi-End amplifiers

AM-AC150.4



Parameters

Type	Amplifier	Input sensitivity	0,15—5V
RMS Power		Filters type	LP/HP
- @ 4 Ohm	150W x 4	Slope	12db/Oct
- @ 2 Ohm	250W x 4	Signal /noise ratio	> 95db
- @ bridge 4 Ohm	500W x 2	Frequency response	5Hz—80kHz
- @ bridge 2 Ohm	700W x 2	Dimentions, mm	350x250x50

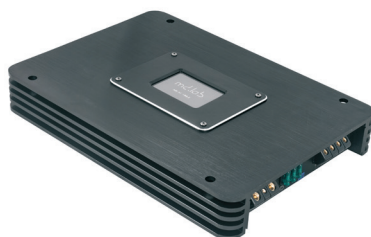
AM-DC1000.1



Parameters

Type	Amplifier	Slope	12db/Oct
RMS Power		Signal /noise ratio	> 95db
- @ 4 Ohm	1000W	Frequency response	10Hz—300Hz
- @ 2 Ohm	2000W	Dimentions, mm	350x250x50
Input sensitivity	0,25—5V		
Filters type	LP/ Subsonic		

AM-AC180.2



Parameters

Type	Amplifier	Input sensitivity	0,15—5V
RMS Power		Filters type	LP/HP/Subsonic
- @ 4 Ohm	180W x 2	Slope	12db/Oct
- @ 2 Ohm	330W x 2	Signal /noise ratio	> 95db
- @ bridge 4 Ohm	600W x 1	Frequency response	5Hz—80kHz
- @ bridge 2 Ohm	900W x 1	Dimentions, mm	350x250x50

Top A-series amplifiers are a typical representative of the Hi-End car audio! Amplifiers are equipped with HP/LP filters that can be disabled, turning hardware into pure amplifiers. Undoubtedly, fans of uncompromising sound and sound processors users will be pleased by such an opportunity. To create these amplifiers we used only audiophile components — MOSFET by FAIRCHILD (USA) and Toshiba, chips by JRC (Japan) and capacitors by Nippon ChemiCon. Amplifiers have an extended frequency response (the upper limit of 80 kHz*), which has a positive impact on the sound quality. Due to a great resolution and very careful attitude to the musical material, these amps will be a real pearl in systems of competitive and premium level. Black cases of amplifiers look simple and elegant. For convenient installation all A-series devices are made in the same size.

More information at
<http://md-lab.eu/shop/amplifiers/>



MB-Series amplifiers

Compact dimensions

MB

AM-MB4



Parameters

Type	Amplifier	Filters type	LP/BP/HP
RMS Power		Slope	12db/Oct
- @ 4 Ohm	75W x 4	Signal /noise ratio	> 100 db
- @ 2 Ohm	120W x 2	Frequency response	10Hz—50kHz
- @ bridge 4 Ohm	175W x 2	Remote control	optional
Input sensitivity	0,2—6V	Dimentions, mm	268x136x45

AM-MB2



Parameters

Type	Amplifier	Filters type	LP/BP/HP
RMS Power		Slope	12db/Oct
- @ 4 Ohm	100W x 2	Signal /noise ratio	> 100db
- @ 2 Ohm	180W x 2	Frequency response	10Hz—50kHz
- @ bridge 4 Ohm	360W x 2	Remote control	optional
Input sensitivity	0,2—6V	Dimentions, mm	268x136x45

Compact power amplifiers of MB-series have modest dimensions (268x136x45 mm), but possess a very solid output index: 4 channels with 75 watts at 4 ohms, with a monoblock that can deliver 500 watts at 2 Ohm - and all this in AB music class! A feature that deserves close attention and respect. No doubt, there is something to appreciate here: amplifiers feature high-level inputs for integration into OEM car audio systems, tunable LP/HP filters and ports for bass remote control. All amplifiers of MB series have cases of the same size, which allow installation of amplifiers on top of each other.

More information at

<http://md-lab.eu/shop/amplifiers/>



AM-MB1



Parameters

Type	Amplifier	Filters type	LP/HP/Full
RMS Power		Slope	12db/Oct
- @ 4 Ohm	300W	Signal /noise ratio	> 100db
- @ 2 Ohm	500W	Frequency response	10Hz—50kHz
- @ bridge 4 Ohm	—	Remote control	+
Input sensitivity	0,2—6V	Dimentions, mm	268x136x45

MD-Series amplifiers

Compact dimensions

MD

AM-MD5



Parameters

Type	Amplifier	Filters type	LP/HP/BP
RMS Power		Slope	12db/Oct
- @ 4 Ohm	80Wx4 + 200Wx1	Signal /noise ratio	> 100db
- @ 2 Ohm	160Wx4 + 350Wx1	Frequency response	10Hz—50kHz
- @ bridge 4 Ohm	250W x 2	Remote control	+
Input sensitivity	0,2—6V	Dimention, mm	310x170x50

AM-MD1



Parameters

Type	Amplifier	Filters type	LP/HP
RMS Power		Slope	12db/Oct
- @ 4 Ohm	250W	Signal /noise ratio	> 95db
- @ 2 Ohm	400W	Frequency response	10Hz—250Hz
- @ 1 Ohm	600W	Remote control	+
Input sensitivity	0,2—6V	Dimention, mm	220x170x50

AM-MD4



Parameters

Type	Amplifier	Filters type	LP/HP
RMS Power		Slope	12db/Oct
- @ 4 Ohm	95W x 4	Signal /noise ratio	> 100db
- @ 2 Ohm	190W x 4	Frequency response	10Hz—50kHz
- @ bridge 4 Ohm	380W x 2	Remote control	—
Input sensitivity	0,2—6V	Dimention, mm	224x170x50

A distinctive feature of MD-series amplifiers is impressive power, despite its modest size. It is achieved by using D-class circuitry. Any MD amplifier does not exceed the size of a sheet of A4 paper, but these “kids” produce more nominal power than many of their larger competitors. Apart from standard HP/LP filters, five-channel amplifiers are also characterized by a band-pass mode of operation. Thus, the per-channel amplification of the dual band front and the subwoofer is not a problem anymore and does not require additional passive crossovers that reduce amplifiers efficiency.

More information at
<http://md-lab.eu/shop/amplifiers/>



EL-Series amplifiers

Low cost & high power

EL

AM-EL4.110



Parameters

Type	Amplifier	Filters type	LP/HP
RMS Power		Slope	12db/Oct
- @ 4 Ohm	85W x 4	Signal /noise ratio	> 98db
- @ 2 Ohm	110W x 2	Frequency response	10Hz—50kHz
- @ bridge 4 Ohm	250W x 2	Remote control	+
Input sensitivity	0,2—6V	Dimensions, mm	360/404x223x50

AM-EL4.80



Parameters

Type	Amplifier	Filters type	LP/HP
RMS Power		Slope	12db/Oct
- @ 4 Ohm	60W x 4	Signal /noise ratio	> 98db
- @ 2 Ohm	80W x 4	Frequency response	10Hz—50kHz
- @ bridge 4 Ohm	180W x 2	Remote control	—
Input sensitivity	0,2—6V	Dimensions, mm	320/364x223x50

Low cost amplifiers of this series can become a major component of the whole audio system, even in high-end sets! Luxury case with “piano black” coating, high-power supply, excellent equipment (from high level inputs to remote bass level control*) can achieve excellent results! Cozy, comfortable sound of the musical AB Class circuitry.

AM-EL2.110



Parameters

Type	Amplifier	Filters type	LP/HP
RMS Power		Slope	12db/Oct
- @ 4 Ohm	75W x 2	Signal /noise ratio	> 98db
- @ 2 Ohm	110W x 4	Frequency response	10Hz—50kHz
- @ bridge 4 Ohm	250W	Remote control	+
Input sensitivity	0,2—6V	Dimensions, mm	250/294x223x50

More information at
<http://md-lab.eu/shop/amplifiers/>



LD-Series amplifiers

Micro amplifiers

LD

AM-LD4.80



AM-LD4.80B



Parameters

Type	Amplifier	Filters type	LP/HP/BP
RMS Power		Slope	12db/Oct
- @ 4 Ohm	80W x 4	Signal /noise ratio	> 100db
- @ 2 Ohm	120W x 4	Frequency response	10Hz—50kHz
- @ bridge 4 Ohm	150W x 2	Remote control	—
Input sensitivity	0,2—6V	Dimention, mm	179x120x45

AM-LD1.350



AM-LD1.350B



Parameters

Type	Amplifier	Filters type	LP/Subsonic
RMS Power		Slope	12db/Oct
- @ 4 Ohm	300W	Signal /noise ratio	> 100db
- @ 2 Ohm	500W	Frequency response	10Hz—200Hz
- @ bridge 4 Ohm	—	Remote control	+
Input sensitivity	0,2—6V	Dimention, mm	179x120x45



Despite of its budget price, E-series subwoofers have magnificent sound, very simplex in installing and ready to be bring joy in almost any corps types from closed box , vented box to free air.

More information at
<http://md-lab.eu/shop/amplifiers/>



Sound field processor DSP8

Ensures maximum sound quality of any system

DSP

We are proud to introduce our product with a wide range of audio processing capabilities.

Time correction and crossover

Time correction allows achieving optimal sound-stage due to the fact that the sound from all the speakers reaches your ears at the same time. It is possible to adjust simultaneously up to 8 channels within 0—16 ms in increments of 0.05. Digital low-pass and high-pass filters allow setting the slope characteristics within 0—48 dB per octave in increments of 1 Hz.

Equalizer features

Paragrophic equalizer operates in 31 bands for the front channels, 11 bands for the rear, central and 11 bands for the subwoofer output. Quality of each band can be changed in a broad range from 0.5 to 9, and the gain within — 18 to 12 dB.

Improvement of the OEM system

For those who wish to keep OEM head unit, DSP8 offers a great way to upgrade the system and supplement it with new sources and improved sound quality. With the help of four high level inputs, you can plug in the head unit or other components that are not equipped with a line output. Thus, you do not need Individual converters of high-level output audio signal. Also, Autosum function is available - it is useful for systems where the output signal from the amplifier is processed by LP and HP filters. Connect the computer to DSP8 with a USB cable and adjust the sound settings in an attractive and user friendly graphical interface. You can save 10 different settings in the device memory and unlimited number of them on your computer for further selection or use in different cars.

The kit DSP8 + and amplifier AM-60.6 DSP includes Wi-Fi module for playing your favorite music from your phone.

AM-60.6 DSP

DSP8 / DSP8+



Parameters

Type	Amplifier + DSP
Number of	
- DSP	8
- DSP output chann.	2
RMS Power	
- @ 4 Ohm	60W x 6
- @ 2 Ohm	80W x 6
Input sensitivity	0,2—5V
Filters type	LP/HP/BP
Slope	6-48db/Oct
Signal/noise ratio	> 100db
Frequency response	10Hz—22kHz
Remote control	+
Dimenstions, mm	224x180x42

More information at
<http://md-lab.eu/shop/amplifiers/>



Additional devices

ADD

MD.Lab SQ5 and SQ6 audio converters are designed for conversion high-level car audio output signal into low-level signal.

Transducers have three pairs of line outputs: Front, Rear and Sub. An important feature of these devices is automatic switching once high level signal appears at the input and amplifiers switching. This feature is useful for vehicles equipped with CAN bus. In this case you do not have to bear additional costs to acquire a CAN adapter. We also propose to use these devices in cars, where it is not possible to use RCA interconnects due to strong interference from the onboard electronics.

Devices are assembled using chips of JRC (Japan), which allows to obtain very high quality sound, often surpassing the signal received from the RCA output!

Wi-Fi module for playing your favorite music from your phone.

Replacement flanges for top tweeters MDLab SP-T1.28. The body is made of chrome-plated aluminum and has a very attractive appearance, which echoes the finish Interior premium cars.

SQ5



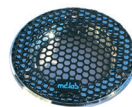
SQ6



Wi-Fi module



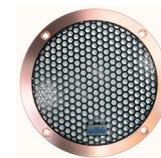
Replacement flanges



CR-T1.28



CR-MB17



CR-M3D



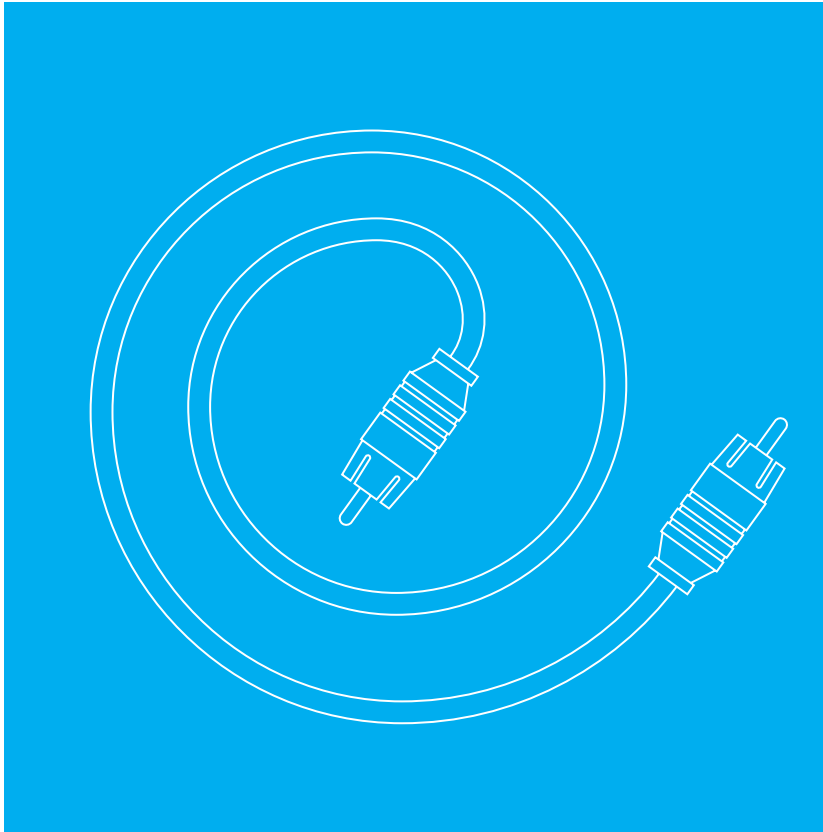
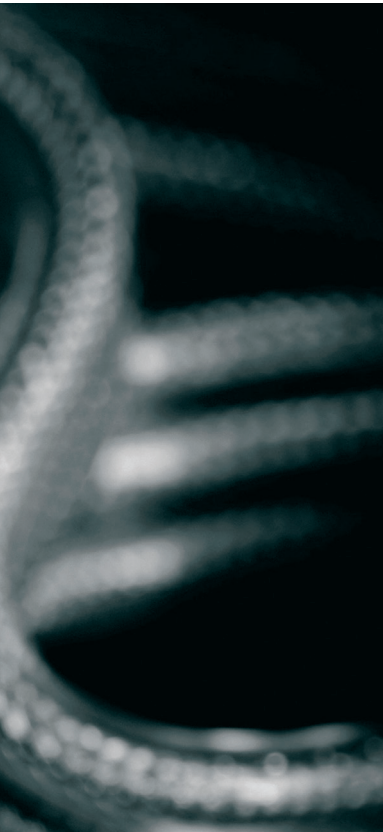
GR-6.5

More information at
[http://md-lab.eu/shop/
accessories/](http://md-lab.eu/shop/accessories/)





Cables & Accessories



Cables

Copper power cables

MDC-PCC-0BL/G, MDC-PCC-2BL/G,
MDC-PCC-4BL/G, MDC-PCC-8BL/G



To ensure trouble-free performance and long life of your audio system, we propose to use our power cables, made with OFC technology (OFC high purity) and TOFC (tinned copper).

Copper-plated aluminium power cables

MDC-PCA-4R, MDC-PCA-4B



Lower budget version of the power wiring, produced with CCI technology (copper-plated aluminum conductor)

Speaker cables

MDC-SP-14 / SP-16 / SP-18



MD.Lab acoustic cables are made using technology TOFC and have a neutral sound character

Another one little our pride! We guarantee that all our cable products meet the highest standards of electrical safety, and conductors' caliber in 100% meets declared specifications!
Original insulation has a very good bending performance, which is extremely important when laying cables in the car.

Acoustic cables

MDC-ESP



Acoustic cables are made using technology CCI and have a very attractive price

Installation cables

MDC-PCC-17 BL / R / Y / B



High quality installation cable. The four most popular colors

More information at
<http://md-lab.eu/shop/cables/>



Interconnect cables

MDC-RCA C1 / C5



Interconnect cables have MICRO Cable configuration based on copper wire with the use of double screening. Nowadays placing components in modern cars may be very difficult. That is why we use very compact RCA connectors in our interconnect cables

Interconnect cables

MDC-RCA-M2F / F2M



Interconnect cables

MDC-RCA



OFC interconnect cable on a spool

Interconnect cables

MDC-ERCA-A5



More budget option cables, made by technology CCI

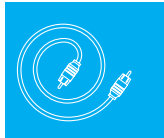
Interconnect cables

MDC-ERCA-M2F / F2M



RCA connectors

MDC-RCA-C



Cable sets



OFC power cable 4 Ga «plus»	5 m
OFC power cable 4 Ga «minus»	2 m
OFC Speaker Cable 12 Ga	10 m
OFC Interconnect cable 2RCA-2RCA	2 x 5 m
Remote Wire	5 m
ANL 150 A fuse with holder	
Wiring Accessories	



CCI power cable 4 Ga «plus»	5 m
CCI power cable 4 Ga «minus»	2 m
CCI Speaker Cable 12 Ga	10 m
CCI Interconnect cable 2RCA-2RCA	5 m
Remote Wire	5 m
ANL 100 A fuse with holder	
Wiring Accessories	



CCI power cable 8 Ga «plus»	5 m
CCI power cable 8 Ga «minus»	2 m
CCI Speaker Cable 12 G	10 m
CCI Interconnect cable 2RCA-2RCA	5 m
Remote Wire	5 m
AGU 60 A fuse with holder	
Wiring Accessories	

If your company operates in a field that is different from installation, and you just need to connect the audio equipment in your car, we recommend you to pay attention to the MD.Lab sets of cable products.

To ensure high-quality connectivity of the 4-channel amplifier, we recommend to use KIT-44C. All conductors in this set are made of high purity copper.



CCI power cable 8 Ga «plus»	5 m
CCI power cable 8 Ga «minus»	2 m
CCI Speaker Cable 12 Ga	10 m
CCI Interconnect cable 2RCA-2RCA	2x5 m
Remote Wire	5 m
AGU 50 A fuse with holder	
Wiring Accessories	



CCI power cable 8 Ga «plus»	5 m
CCI power cable 8 Ga «minus»	2 m
CCI Speaker Cable 12 Ga	10 m
CCI Interconnect cable 2RCA-2RCA	5 m
Remote Wire	5 m
AGU 50 A fuse with holder	
Wiring Accessories.	

More information at
<http://md-lab.eu/shop/cables/kits/>



Accessories

C&A



ANL Fuse holder
MDC-FH1A



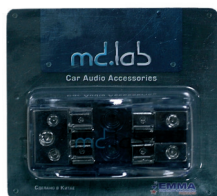
Mini-ANL Fuse holder
MDC-FH1M



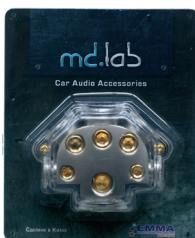
AGU Fuse holder
MDC-FH1



Power distributor with AGU Fuse holder
MDC-FH4.0
Input: 1 x 2 Ga / 2 x 4 Ga
Output: 4 x 6 Ga / 8 Ga



Power distributor with AGU Fuse holder
MDC-FH2.0
Input: 1 x 2 Ga / 2 x 4 Ga
Output: 2 x 6 Ga / 8 Ga



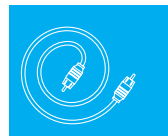
Power distributor
MDC-PDB
Input: 1 x 0 Ga / 2 x 4 Ga
Output: 1 x 2 Ga 2 / 4Ga / 2 x 8 Ga



ANL fuses
nominal
100/150/200/250/300A
Nickel plated, 2in set



Mini-ANL fuses
nominal: 30/40/50/60/80/100/150
Nickel plated, 4in set



Accessories

C&A

AGU



AGU fuses, nominal:
30/40/50/60/80/100
Nickel plated, 4in set

MDC-RT0



O-connector for 0Ga cable,
hole diameter — 10 mm

MDC-RT4



O-connector for 4Ga cable,
hole diameter — 10 mm

MDC-RT8



O-connector for 8Ga cable,
hole diameter — 6 mm

MDC-BTP



Battery connector (+)
for cable connections.
1 X 0 Ga
1 x 4 Ga
2 x 8 Ga

MDC-BTN



Battery connector (+)
for cable connections.
1 X 0 Ga
1 x 4 Ga
2 x 8 Ga

MDC-PCB100
MDC-PCB150
MDC-PCB200
MDC-PCB250
MDC-PCB300



Circuit breaker
nominal: 100/ 150/ 200/ 250/ 300 A

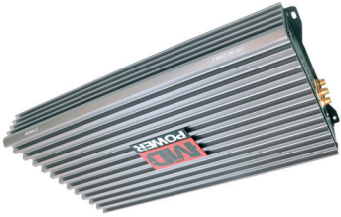
More information at
[http://md-lab.eu/shop/
accessories/](http://md-lab.eu/shop/accessories/)





FLIP YOUR MIND

AM-DC2500.1



Parameters	
Type	Amplifier
RMS Power	700W
- @ 4 Ohm	1300W
- @ 2 Ohm	2000W
- @ 1 Ohm	2500W
- @ bridge 4 Ohm	4000W
- @ bridge 2 Ohm	4000W
Type	Amplifier
Input sensitivity	0.3—6V
Filters type	LP/HP
Slope	12db/Oct
Signal/noise ratio	> 100db
Frequency response	20Hz—200Hz
Dimenitions, mm	428x230x58

AM-SQL150.4

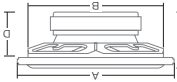


Parameters	
Type	Amplifier
RMS Power	150W x 4
- @ 4 Ohm	220W x 2
- @ 2 Ohm	280W x 2
- @ bridge 4 Ohm	—
- @ bridge 2 Ohm	—
Type	Amplifier
Input sensitivity	0.3—6V
Filters type	LP/HP/BP
Slope	12db/Oct
Signal/noise ratio	> 100db
Frequency response	5Hz—22kHz
Dimenitions, mm	428x230x58

SP-MR18N

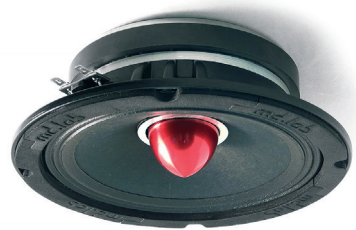


Parameters	
Size, mm	
Type	Midrange
Dimension	A B C D
Impedance	4 Ohm
RMS Power	120 W
Sensitivity	103 dB
Freq. Response	200 Hz—8 kHz
Size, mm	
Type	Midrange
Dimension	A B C D
Impedance	4 Ohm
RMS Power	120 W
Sensitivity	103 dB
Freq. Response	200 Hz—8 kHz

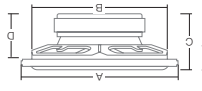


New series of monster loud speakers for fans of ultraboundary power!

SP-MR17



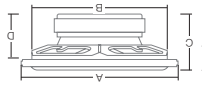
Parameters		Size, mm	
Type	Midrange	Dimension	A B C D
Impedance	4 Ohm	174	149 57 50
RMS Power	70 W		
Sensitivity	99 dB		
Freq. Response	120 Hz—10 kHz		



SP-MR17N



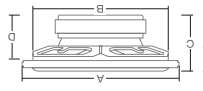
Parameters		Size, mm	
Type	Midrange	Dimension	A B C D
Impedance	4 Ohm	174	148 77 70
RMS Power	100 W		
Sensitivity	101 dB		
Freq. Response	110 Hz—10 kHz		



SP-HT2



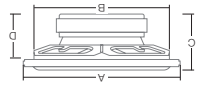
Parameters		Size, mm	
Type	Tweeter	Dimension	A B C D
Impedance	4 Ohm	115	90 73 65
RMS Power	100W		
Sensitivity	105 dB		
Freq. Response	50 Hz—22 kHz		



SP-HT1



Parameters		Size, mm	
Type	Tweeter	Dimension	A B C D
Impedance	4 Ohm	57	43 59 54-31
RMS Power	60 W		
Sensitivity	107 dB		
Freq. Response	2 kHz—20 kHz		



MBPOWER



