

PRV
audio
B R A Z I L

2019
PRO AUDIO
CATALOG





About Us

Founded in 2006 by a Brazilian group of executives and engineers, PRV Audio started with a compact line of transducers fully dedicated to the Brazilian market. PRV Audio was established to design, create, and introduce new pro audio products, combining passion for crafting loudspeakers, technical knowledge, and design skill with the understanding of how, when, and where to market products. PRV Audio Brazil has quickly grown to become one of the most innovative manufacturers of professional loudspeakers. In 2009, PRV Audio opened its own subsidiary in Fort Lauderdale, Florida, USA, to better serve the growing international demand. PRV AUDIO is currently present in more than 64 countries worldwide.

In early 2018, Executive Director Daniel Costa became the majority shareholder of PRV Audio Group, transferring the company headquarters from Sao Leopoldo, RS, Brazil to Fort Lauderdale, Florida, USA.

Today, the USA location serves as PRV Audio Headquarters, managing R&D departments in Brazil and production facilities in different parts of the world. This energetic and passionate team is dedicated to the worldwide sales, distribution, and marketing of PRV AUDIO products for every lifestyle.



The Research & Development Team

Based out of Brazil, PRV AUDIO's R&D team is headed by Senior Chief Engineer Acir Ozelame, and is responsible for the development of new technologies and continuous innovation of the PRV Audio Line of products, which is constantly improved based on customer feedback.

The R&D Team is also responsible for closely overseeing PRV Audio's manufacturing facilities, guaranteeing the uncompromising quality products you've come to trust over the years.

The fast growth and expansion to international markets brought the need to develop a wide variety of products for different applications, while remaining competitive in a globalized market.

PRV Audio's manufacturing had to become more dynamic to accommodate the globalized demand, expanding in a slow and meticulously planned process to take place at top-level factories located in Brazil, China and Italy, enabling PRV Audio to deliver only the best to the market.

Design

PRV Audio's engineers bring years of experience and know-how in many different areas of the Brazilian and International Audio Industry, and this knowledge translates to unique products. Using design tools such as Solid Edge, a 3D CAD for technical drawing, and FEMM (Finite Element Method Magnetics) to simulate the magnetic field in the loudspeaker motor, PRV Audio has pushed the limits of these tools to achieve maximum efficiency and to develop cutting-edge loudspeakers that exceed customer expectations.

Testing and Listening




Every new product is subject to meticulous testing. Unlike other companies that use measurement systems that focus their data acquisition on a single technique, PRV Audio uses CLIO 12, a multi-measure, fully integrated hardware/software platform, resulting in a significant advantage over the competition. This allows PRV Audio to provide reliable, functional, and long-lasting products that only reach the market after they have been extensively tested in the lab and on the field, guaranteeing that the PRV Audio customer will have access only to the best quality products.



ALTO SERIES

HIGH FIDELITY MEETS HIGH OUTPUT

PRV Audio's Alto Series loudspeakers were carefully crafted to reproduce a natural, smooth sound while remaining dynamic. To get superior fidelity, the special composite cone is built with non-pressed paper for reduced break-up, delivering a smooth frequency response and a low moving mass, increasing the efficiency of the speaker.

MODEL			Size	Ohms	Voice Coil	XMAX	RMS W	Program W	Sens	Freq Resp
6MR200A			6"	8 Ω	1.5"	2.62 mm	100	200	94 dB	155 - 11,000 Hz
6MR250A			6"	8 Ω	1.5"	3 mm	125	250	94 dB	150 - 9,500 Hz
8MR400A			8"	8 Ω	1.5"	3 mm	200	400	94 dB	80 - 8,500 Hz
10W650A			10"	8 Ω	2.5"	4.50 mm	325	650	97 dB	75 - 5,500 Hz
Also available in 4Ω										
12W750A			12"	8 Ω	2.5"	3.62 mm	375	750	97 dB	60 - 5,500 Hz
10MR800A			10"	8 Ω	3"	5.76 mm	400	800	101 dB	100 - 6,700 Hz
12MR800A			12"	8 Ω	3"	5.76 mm	400	800	101 dB	95 - 6,000 Hz



18SW3600

This subwoofer features a high power handling, 4.5" inner and outer wound voice coil, fiberglass fiber former, powerful optimized ferrite motor, ribbed paper cone and waterproof cone treatment. A double silicon spider system ensures excellent control during large excursions of 54 mm peak-to-peak excursion before damage



	21SW4000-NDY-2	21SW3000-NDY-4	18SW3600	18FH2400 v2	18SW2200 v2
APPLICATION	SUBWOOFER	SUBWOOFER	SUBWOOFER	SUBWOOFER	SUBWOOFER
RATED AES POWER HANDLING (RMS)	2000 Watts	1500 Watts	1800 Watts	1200 Watts	1100 Watts
PROGRAM POWER	4000 Watts	3000 Watts	3600 Watts	2400 Watts	2200 Watts
SENSITIVITY (1W/1M)	97 dB	98 dB	97 dB	98 dB	
FREQUENCY RANGE AT -10 dB	35 - 1,200 Hz	35 - 1,800 Hz	35 - 1,300 Hz	40 - 2,500 Hz	45 - 2,500 Hz
RESONANCE FREQUENCY (FS)	32.20 Hz	32.35 Hz	35.40 Hz	40.80 Hz	42.70 Hz
TOTAL FACTOR (QTS)	0.28	0.34	0.40	0.48	0.44
REC. Crossover POINT AT 12 dB/OCT	45 Hz	45 Hz	45 Hz	45 Hz	50 Hz
XMAX EXCURSION (MATHEMATICAL)*	15.00 mm	13.25 mm	13.25 mm	10.00 mm	9.75 mm
VOICE COIL DIAMETER	5.30"	4.50"	4.50"	4.00"	4.00"
NOMINAL IMPEDANCE	2 Ω	4 Ω	8 Ω	8 Ω	8 Ω
MAGNET MATERIAL	Neodymium	Neodymium	Ferrite	Ferrite	Ferrite
FRAME MATERIAL	Die Cast Aluminum	Die Cast Aluminum	Die Cast Aluminum	Die Cast Aluminum	Die Cast Aluminum
WEIGHT	30.20 Lbs	24.00 Lbs	33.40 Lbs	30.42 Lbs	32.80 Lbs
MOUNTING DEPTH	9.64" (245 mm)	9.21" (234 mm)	7.64" (194 mm)	6.53" (166 mm)	7.48" (190 mm)
REPLACEMENT CONE KIT	RK21SW4000-NDY-2	RK21SW3000-NDY-4	RK18SW3600	RK18FH2400v2	RK18SW2200v2
	Special reinforced model available				



15W2000

The cone, constructed of thick paper for a natural response, includes glass fiber reinforcement and uses a ribbed design offering additional structural support. The woven surround offer precise movement along its impressive 12.5 mm XMAX



	15W2000	15W1600	15W1000 v2	15W700
APPLICATION	SUBWOOFER	WOOFER	WOOFER	WOOFER
RATED AES POWER HANDLING (RMS)	1000 Watts	800 Watts	500 Watts	350 Watts
PROGRAM POWER	2000 Watts	1600 Watts	1000 Watts	700 Watts
SENSITIVITY (1W/1M)	96 dB	97 dB	97 dB	95 dB
FREQUENCY RANGE AT -10 dB	45 - 2,300 Hz	55 - 2,500 Hz	40 - 4,000 Hz	35 - 3,500 Hz
RESONANCE FREQUENCY (FS)	52.90 Hz	53.60 Hz	39.56 Hz	31.69 Hz
TOTAL FACTOR (QTS)	0.55	0.42	0.68	0.62
REC. Crossover POINT AT 12 dB/OCT	50 Hz	75 Hz	80 Hz	80 Hz
XMAX EXCURSION (MATHEMATICAL)*	12.50 mm	7.00 mm	6.37 mm	6.87 mm
VOICE COIL DIAMETER	4.00"	4.00"	3.00"	3.00"
NOMINAL IMPEDANCE	8 Ω	8 Ω	8 Ω	8 Ω
MAGNET MATERIAL	Ferrite	Ferrite	Ferrite	Ferrite
FRAME MATERIAL	Die Cast Aluminum	Die Cast Aluminum	Stamped Steel	Stamped Steel
WEIGHT	25.90 Lbs	24.71 Lbs	12.00 Lbs	11.17 Lbs
MOUNTING DEPTH	7.11" (180.5 mm)	5.51" (140 mm)	5.82" (148 mm)	5.51" (140 mm)
REPLACEMENT CONE KIT	RK15W2000	RK15W1600	RK15W1000v2	N/A

*Xmax Mathematical Formula: (Voice Coil Depth - Gap Depth) / 2 + Gap Depth / 4

12"

12MR2000X

Features a large 4" CCAW voice coil that results in very high efficiency while providing smooth and accurate mid range response

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BRAZIL

12"

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	12MR2000X	12MR2000-NDY	12MR2000	12MB1500	12W1600
APPLICATION	MID RANGE	MID RANGE	MID RANGE	MID BASS	WOOFER
RATED AES POWER HANDLING (RMS)	1000 Watts	1000 Watts	1000 Watts	750 Watts	800 Watts
PROGRAM POWER	2000 Watts	2000 Watts	2000 Watts	1500 Watts	1600 Watts
SENSITIVITY (1W/1M)	100 dB	98 dB	97 dB	98.5 dB	94 dB
FREQUENCY RANGE AT -10 dB	90 - 5,300 Hz	55 - 5,500 Hz	60 - 5,000 Hz	75 - 5,000 Hz	55 - 2,500 Hz
RESONANCE FREQUENCY (FS)	76.90 Hz	54.48 Hz	57.23 Hz	66.07 Hz	51.22 Hz
TOTAL FACTOR (QTS)	0.44	0.34	0.33	0.42	0.39
REC. Crossover POINT AT 12 dB/OCT	180 Hz	180 Hz	180 Hz	90 Hz	60 Hz
XMAX EXCURSION (MATHEMATICAL)*	8.19 mm	6.15 mm	6.62 mm	6.50 mm	10.50 mm
VOICE COIL DIAMETER	4.00"	4.00"	4.00"	3.50"	4.00"
NOMINAL IMPEDANCE	8 Ω	8 Ω	8 Ω	8 Ω	8 Ω
MAGNET MATERIAL	Ferrite	Neodymium	Ferrite	Ferrite	Ferrite
FRAME MATERIAL	Die Cast Aluminum	Die Cast Aluminum	Die Cast Aluminum	Die Cast Aluminum	Die Cast Aluminum
WEIGHT	24.44 Lbs	13.93 Lbs	23.04 Lbs	16.07 Lbs	24.22 Lbs
MOUNTING DEPTH	5.06" (128.5 mm)	5.51" (140 mm)	5.47" (139 mm)	5.14" (130.5 mm)	5.51" (140 mm)
REPLACEMENT CONE KIT	RK12MR2000X	RK12MR2000-NDY	RK12MR2000	RK12MB1500	RK12W1600



12MB1500

A double silicon spider system ensures excellent control during large excursions of 40 mm peak-to-peak excursion before damage

NEW



NEW



NEW



	12CHUCHERO	12MB1000FT	12MR800A	12W750A
APPLICATION	MID RANGE	MID BASS	MID RANGE	WOOFER
RATED AES POWER HANDLING (RMS)	750 Watts	500 Watts	400 Watts	375 Watts
PROGRAM POWER	1500 Watts	1000 Watts	800 Watts	750 Watts
SENSITIVITY (1W/1M)	98.5 dB	97.5 dB	101 dB	97 dB
FREQUENCY RANGE AT -10 dB	75 - 5,000 Hz	70 - 3,200 Hz	95 - 6,000 Hz	60 - 5,500 Hz
RESONANCE FREQUENCY (FS)	58.41 Hz	52.72 Hz	84.56 Hz	59.87 Hz
TOTAL FACTOR (QTS)	0.40	0.37	0.53	0.43
REC. Crossover POINT AT 12 dB/OCT	160 Hz	110 Hz	140 Hz	200 Hz
XMAX EXCURSION (MATHEMATICAL)*	2.50 mm	6.87 mm	5.76 mm	3.62 mm
VOICE COIL DIAMETER	3.00"	3.00"	3.00"	2.50"
NOMINAL IMPEDANCE	8 Ω	8 Ω	8 Ω	8 Ω
MAGNET MATERIAL	Ferrite	Ferrite	Ferrite	Ferrite
FRAME MATERIAL	Die Cast Aluminum	Die Cast Aluminum	Die Cast Aluminum	Stamped Steel
WEIGHT	16.64 Lbs	16.80 Lbs	17.48 Lbs	10.85 Lbs
MOUNTING DEPTH	5.12" (130 mm)	5.20" (132 mm)	5.02" (127.5 mm)	5.12" (130 mm)
REPLACEMENT CONE KIT	RK12CHUCHERO	RK12MB1000FT	RK12MR800A	RK12W750A

12" LOUDSPEAKERS

12" LOUDSPEAKERS

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10MR1000X

The 10MR1000X offers outstanding durability, high power handling at sensitivity rating of 100 dB 1W/1M which makes it capable of generating a lot of output

10"



NEW



NEW



NEW

	10MR1000X	10MR1003-NDY	10MR800A	10CHUCHERO
APPLICATION	MID RANGE MR	MID RANGE MR	MID RANGE MR	MID RANGE MR
RATED AES POWER HANDLING (RMS)	500 Watts	500 Watts	400 Watts	350 Watts
PROGRAM POWER	1000 Watts	1000 Watts	800 Watts	700 Watts
SENSITIVITY (1W/1M)	100 dB	99 dB	101 dB	98.5 dB
FREQUENCY RANGE AT -10 dB	75 - 6,000 Hz	65 - 6,500 Hz	100 - 6,700 Hz	125 - 6,000 Hz
RESONANCE FREQUENCY (FS)	72.00 Hz	55.16 Hz	93.26 Hz	111.20 Hz
TOTAL FACTOR (QTS)	0.22	0.24	0.38	0.55
REC. Crossover POINT AT 12 dB/OCT	150 Hz	160 Hz	150 Hz	160 Hz
XMAX EXCURSION (MATHEMATICAL)*	2.50 mm	5.50 mm	5.76 mm	2.50 mm
VOICE COIL DIAMETER	3.00"	3.00"	3.00"	3.00"
NOMINAL IMPEDANCE	8 Ω	8 Ω	8 Ω	8 Ω
MAGNET MATERIAL	Ferrite	Neodymium	Ferrite	Ferrite
FRAME MATERIAL	Die Cast Aluminum	Die Cast Aluminum	Die Cast Aluminum	Die Cast Aluminum
WEIGHT	15.43 Lbs	9.23 Lbs	16.97 Lbs	15.65 Lbs
MOUNTING DEPTH	4.27" (108.5 mm)	4.92" (125 mm)	4.51" (114.5 mm)	4.60" (116.7 mm)
REPLACEMENT CONE KIT	RK10MR1000X	RK10MR1003-NDY	RK10MR800A	RK10CHUCHERO



10MB800FT

Optimized for use in compact enclosures, this mid bass speaker provides smooth vocal response with great output



NEW



	10MB800FT	10W650A	10MB400	10FR300
APPLICATION	MID BASS MB	WOOFER W	MID BASS MB	FULL RANGE FR
RATED AES POWER HANDLING (RMS)	400 Watts	325 Watts	200 Watts	150 Watts
PROGRAM POWER	800 Watts	650 Watts	400 Watts	300 Watts
SENSITIVITY (1W/1M)	99 dB	97 dB	97 dB	100 dB
FREQUENCY RANGE AT -10 dB	65 - 6,500 Hz	75 - 5,500 Hz	65 - 4,000 Hz	60 - 14,000 Hz
RESONANCE FREQUENCY (FS)	64.72 Hz	72.31 Hz	62.78 Hz	60.12 Hz
TOTAL FACTOR (QTS)	0.32	0.46	0.50	0.65
REC. Crossover POINT AT 12 dB/OCT	120 Hz	150 Hz	95 Hz	75 Hz
XMAX EXCURSION (MATHEMATICAL)*	3.50 mm	4.50 mm	5.30 mm	4.00 mm
VOICE COIL DIAMETER	2.50"	2.50"	2.00"	2.00"
NOMINAL IMPEDANCE	8 Ω	8 Ω	8 Ω	8 Ω
MAGNET MATERIAL	Ferrite	Ferrite	Ferrite	Ferrite
FRAME MATERIAL	Die Cast Aluminum	Stamped Steel	Stamped Steel	Stamped Steel
WEIGHT	11.01 Lbs	10.49 Lbs	8.60 Lbs	7.21 Lbs
MOUNTING DEPTH	4.09" (104 mm)	4.33" (110 mm)	4.12" (105 mm)	4.17" (106 mm)
REPLACEMENT CONE KIT	RK10MB800FT	RK10W650A	RK10MB400	N/A

Also Available in 4 and 16 Ohms

Also Available in 4 Ohms

*Xmax Mathematical Formula: (Voice Coil Depth - Gap Depth) / 2 + Gap Depth / 4

8"

**8MR600X**

A Qts of 0.37 and an unique double roll dimple suspension design allows for a flat response from 200Hz to 2500Hz, even at high excursion

8"

NEW



	8MR600X MID RANGE MR	8MB600FT MID BASS MB	8MR500-NDY-4 MID RANGE MR	8MB500v2-NDY MID BASS MB
APPLICATION				
RATED AES POWER HANDLING (RMS)	300 Watts	300 Watts	250 Watts	250 Watts
PROGRAM POWER	600 Watts	600 Watts	500 Watts	500 Watts
SENSITIVITY (1W/1M)	98 dB	96 dB	96 dB	95 dB
FREQUENCY RANGE AT -10 dB	85 - 8,500 Hz	105 - 6,500 Hz	95 - 9,000 Hz	75 - 7,500 Hz
RESONANCE FREQUENCY (FS)	76.9 Hz	98.4 Hz	95.12 Hz	71.42 Hz
TOTAL FACTOR (QTS)	0.40	0.53	0.77	0.43
REC. Crossover POINT AT 12 dB/OCT	160 Hz	100 Hz	160 Hz	120 Hz
XMAX EXCURSION (MATHEMATICAL)*	5.25 mm	5.30 mm	3.00 mm	4.75 mm
VOICE COIL DIAMETER	2.00"	2.00"	1.50"	2.00"
NOMINAL IMPEDANCE	8 Ω	8 Ω	4 Ω	8 Ω
MAGNET MATERIAL	Ferrite	Ferrite	Neodymium	Neodymium
FRAME MATERIAL	Die Cast Aluminum	Die Cast Aluminum	Stamped Steel	Stamped Steel
WEIGHT	7.04 Lbs	9.13 Lbs	2.35 Lbs	2.36 Lbs
MOUNTING DEPTH	3.68" (95.5 mm)	3.42" (82.5 mm)	3.15" (80 mm)	3.31" (84 mm)
REPLACEMENT CONE KIT	RK8MR600X	RK8MB600FT	RK8MR500-NDY-4	RK8MB500v2-NDY

Also Available in 4 Ohms

8MB500v2-NDY

Improved voice coils and neodymium motor designs take this mid bass driver to the next level on its high output punch, a smooth mid range, and response up to 7,500 Hz. Push terminals for easy installation



NEW



	8MB450 v2 MID BASS MB	8MR400-NDY MID RANGE MR	8MR400A MID RANGE MR
APPLICATION			
RATED AES POWER HANDLING (RMS)	225 Watts	200 Watts	200 Watts
PROGRAM POWER	450 Watts	400 Watts	400 Watts
SENSITIVITY (1W/1M)	93.5 dB	94 dB	94 dB
FREQUENCY RANGE AT -10 dB	75 - 7,500 Hz	115 - 8,500 Hz	80 - 8,500 Hz
RESONANCE FREQUENCY (FS)	74.72 Hz	111.30 Hz	79.14 Hz
TOTAL FACTOR (QTS)	1.05	1.01	0.89
REC. Crossover POINT AT 12 dB/OCT	120 Hz	160 Hz	260 Hz
XMAX EXCURSION (MATHEMATICAL)*	4.50 mm	4.75 mm	3.00 mm
VOICE COIL DIAMETER	2.00"	1.50"	1.50"
NOMINAL IMPEDANCE	8 Ω	8 Ω	8 Ω
MAGNET MATERIAL	Ferrite	Neodymium	Ferrite
FRAME MATERIAL	Stamped Steel	Stamped Steel	Stamped Steel
WEIGHT	4.10 Lbs	1.31 Lbs	4.41 Lbs
MOUNTING DEPTH	3.31" (84 mm)	2.95" (75 mm)	3.52" (89.5 mm)
REPLACEMENT CONE KIT	N/A	N/A	N/A

Also Available in 4 Ohms

Also Available in 4 Ohms

8" LOUDSPEAKERS

8" LOUDSPEAKERS

7

6MR500-NDY

The high end neodymium magnet assembly was chosen to increase sensitivity and power handling, giving this woofer the highest sensitivity of 96 dB



	6MR500-NDY <i>MID RANGE</i> MR	6MR300SEAL v2 <i>MID RANGE</i> MR	6MB250-NDY <i>MID BASS</i> MB	6MR250A <i>MID RANGE</i> MR
APPLICATION				
RATED AES POWER HANDLING (RMS)	250 Watts	150 Watts	125 Watts	125 Watts
PROGRAM POWER	500 Watts	300 Watts	250 Watts	250 Watts
SENSITIVITY (1W/1M)	96 dB	96 dB	94 dB	94 dB
FREQUENCY RANGE AT -10 dB	105 - 12,500 Hz	400 - 7,500 Hz	115 - 6,500 Hz	150 - 9,500 Hz
RESONANCE FREQUENCY (FS)	104.60 Hz	390.60 Hz	113.60 Hz	145.30 Hz
TOTAL FACTOR (QTS)	0.53	2.34	0.71	1.16
REC. Crossover POINT AT 12 dB/OCT	230 Hz	400 Hz	125 Hz	300 Hz
XMAX EXCURSION (MATHEMATICAL)*	4.22 mm	4.50 mm	4.25 mm	3.00 mm
VOICE COIL DIAMETER	2.00"	1.50"	1.50"	1.50"
NOMINAL IMPEDANCE	8 Ω	8 Ω	8 Ω	8 Ω
MAGNET MATERIAL	Neodymium	Ferrite	Neodymium	Ferrite
FRAME MATERIAL	Die Cast Aluminum	Stamped Steel	Stamped Steel	Stamped Steel
WEIGHT	3.34 Lbs	4.73 Lbs	1.22 Lbs	3.79 Lbs
MOUNTING DEPTH	2.91" (74 mm)	2.99" (76 mm)	2.50" (65 mm)	3.11" (79 mm)
REPLACEMENT CONE KIT	RK6MR500-NDY	N/A	N/A	N/A
	Also Available in 4 Ohms		Also Available in 4 Ohms	

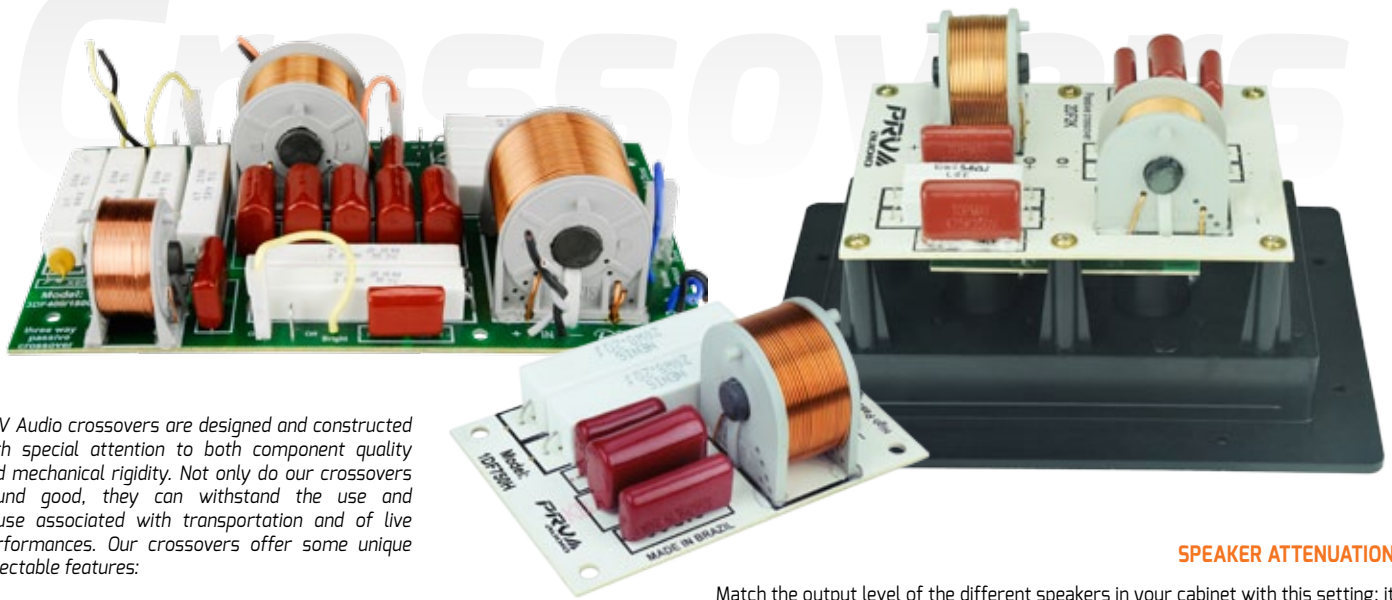
6MB200 v2

The magnet and motor assembly are attached to a sturdy reinforced steel frame, ensuring a solid support structure and long lasting play in mostly any environment



	6MR200A <i>MID RANGE</i> MR	6MB200 v2 <i>MID BASS</i> MB	5MR450-NDY <i>MID RANGE</i> MR	4MR60-4 <i>MID RANGE</i> MR
APPLICATION				
RATED AES POWER HANDLING (RMS)	100 Watts	100 Watts	225 Watts	30 Watts
PROGRAM POWER	200 Watts	200 Watts	450 Watts	60 Watts
SENSITIVITY (1W/1M)	94 dB	93.5 dB	94 dB	90 dB
FREQUENCY RANGE AT -10 dB	155 - 11,000 Hz	125 - 6,500 Hz	160 - 16,000 Hz	90 - 15,000 Hz
RESONANCE FREQUENCY (FS)	152.60 Hz	123.28 Hz	159.00 Hz	89.88 Hz
TOTAL FACTOR (QTS)	1.17	1.13	0.64	0.68
REC. Crossover POINT AT 12 dB/OCT	150 Hz	125 Hz	290 Hz	190 Hz
XMAX EXCURSION (MATHEMATICAL)*	2.62 mm	4.80 mm	3.45 mm	2.87 mm
VOICE COIL DIAMETER	1.50"	1.50"	1.50"	0.78"
NOMINAL IMPEDANCE	8 Ω	8 Ω	8 Ω	4 Ω
MAGNET MATERIAL	Ferrite	Ferrite	Neodymium	Ferrite
FRAME MATERIAL	Stamped Steel	Stamped Steel	Die Cast Aluminum	Stamped Steel
WEIGHT	3.52 Lbs	3.30 Lbs	2.65 Lbs	1.15 Lbs
MOUNTING DEPTH	2.24" (57 mm)	2.60" (66 mm)	2.60" (66 mm)	2.20" (56 mm)
REPLACEMENT CONE KIT	N/A	N/A	RK5MR450-NDY	N/A
		Also Available in 4 Ohms	Also Available in 4 Ohms	

*Xmax Mathematical Formula: (Voice Coil Depth - Gap Depth) / 2 + Gap Depth / 4



PRV Audio crossovers are designed and constructed with special attention to both component quality and mechanical rigidity. Not only do our crossovers sound good, they can withstand the use and abuse associated with transportation and of live performances. Our crossovers offer some unique selectable features:

WOOFER IMPEDANCE SELECTION

This setting allows the same crossover to be used with 8 or 4 Ohms speakers and combinations of them (series or parallel connection) providing you with one solution for multiple cabinet variations.

WOOFER ROLL-OFF CROSSOVER ADJUSTMENT

Some woofers respond excessively at the cut off frequency than others and need 12 dB/octave filters, where other woofers have a natural roll-off at or near the crossover point, and work well with 6 dB/octave filters. We give you the ability to select this on one of our crossovers: the 2DF1800 two-way crossover.


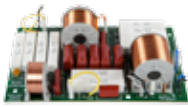



SPEAKER ATTENUATION





Match the output level of the different speakers in your cabinet with this setting; it helps in creating a seamless transition from high to mid to low—especially useful for when driver sensitivities do not match.

BRIGHTNESS ADJUSTMENT

Many large format compression drivers naturally roll-off above 10 kHz. Our brightness adjustment offsets this phenomenon, applying attenuation below 6 kHz and increasing the energy at high frequencies for more brightness and definition.

All crossovers are factory-set with these adjustments in their conventional position, for quick installation and use, but with a little testing and experimentation, we believe that the final sound of your speaker will sound that much better!

					
MODEL NUMBER	3DF750/5000	3DF400/1800	2DF4400	2DF2K	2DF1800
TYPE	THREE-WAY	THREE-WAY	TWO-WAY	TWO-WAY	TWO-WAY
Crossover Point	750/5,000	400/1,800	4,400	2,000	1,800
Selectable Crossover Point (hz)	-	-	-	-	-
Impedance (Ohms)	4/8	4/8	4/8	8	4/8
Woofer Impedance (Ohms)	4/8	4/8	4/8	-	4/8
RMS Power (Watts)	450	950	290	450	650
Program Power (Watts)	900	1,900	580	900	1,300
HF Attenuation (dB)	0/4	6/7.5/9	-	-	6/7.5/9
Brightness	-	Yes	-	-	Yes
Mid range Attenuation (dB)	0/4/7	0/3/6	-	-	-
Octave (dB)	12	12	12	12	12
Woofer octave Sel (dB Octave)	-	-	-	-	6/12

				
MODEL NUMBER	1DF5200H	1DF1800H	1DF750H	1DF180B
TYPE	HIGH PASS	HIGH PASS	HIGH PASS	LOW PASS
Crossover Point	5,200	1,800	900	180
Selectable Crossover Point (hz)	6,800	2,500	-	-
Impedance (Ohms)	8	8	8	4/8
Woofer Impedance (Ohms)	-	-	-	4/8
RMS Power (Watts)	100	150	250	600
Program Power (Watts)	200	300	500	1,200
HF Attenuation (dB)	0/4	6/9	-	-
Brightness	Yes	Yes	-	-
Mid range Attenuation (dB)	-	-	-	-
Octave (dB)	12	12	12	12
Woofer octave Sel (dB Octave)	-	-	-	-

D4400Ph

Pro audio phenolic compression driver that offers unsurpassed vocal and mid range reproduction



Compression Driver

2-1.4"



	D4400Ph	D4400Ph-Nd	D4400Ti	D4400Ti-Nd	D3240Ti	D3240Ti-16
THROAT DIAMETER	2"	2"	2"	2"	2"	1.4"
TYPE	Bolt-on	Bolt-on	Bolt-on	Bolt-on	Bolt-on	Bolt-on
RATED AES POWER HANDLING (RMS)	200 Watts	200 Watts	200 Watts	200 Watts	120 Watts	120 Watts
PROGRAM POWER	400 Watts	400 Watts	400 Watts	400 Watts	240 Watts	240 Watts
SENSITIVITY (1W/1M)	109 dB	109 dB	110 dB	110 dB	109 dB	106 dB
FREQUENCY RANGE AT -10 dB	600 - 7,000 Hz	450 - 7,500 Hz	1,000 - 17,000 Hz	1,300 - 17,000 Hz	1,200 - 15,000 Hz	1,400 - 16,000 Hz
MIN. Crossover POINT AT 12 dB/OCT	700 Hz	700 Hz	1,600 Hz	1,600 Hz	1,200 Hz	1,200 Hz
VOICE COIL DIAMETER	4.00"	4.00"	4.00"	4.00"	2.84"	2.84"
WEIGHT	19.20 Lbs	8.82 Lbs	19.20 Lbs	8.82 Lbs	15.07 Lbs	15.29 Lbs
NOMINAL IMPEDANCE	8 Ω	8 Ω	8 Ω	8 Ω	8 Ω	16 Ω
MAGNET MATERIAL	Ferrite	Neodymium	Ferrite	Neodymium	Ferrite	Ferrite
DIAPHRAGM TYPE	Phenolic	Phenolic	Titanium	Titanium	Titanium	Titanium
REPLACEMENT DIAPHRAGM	RPD4400Ph	RPD4400Ph	RPD4400Ti	RPD4400Ti	RPD3240Ti	RPD3240Ti-16

D3220Ti-Nd

The Neodymium magnet assembly reduces the weight to just 4.72 lbs



	D3220Ph	D3220Ti	D3220Ti-Nd	D3220Ti-Nd-16
THROAT DIAMETER	2"	2"	2"	1.4"
TYPE	Bolt-on	Bolt-on	Bolt-on	Bolt-on
RATED AES POWER HANDLING (RMS)	110 Watts	110 Watts	110 Watts	110 Watts
PROGRAM POWER	220 Watts	220 Watts	220 Watts	220 Watts
SENSITIVITY (1W/1M)	109 dB	108 dB	110 dB	109 dB
FREQUENCY RANGE AT -10 dB	650 - 7,500 Hz	1,200 - 17,000 Hz	1,600 - 19,000 Hz	1,600 - 17,000 Hz
MIN. Crossover POINT AT 12 dB/OCT	800 Hz	1,600 Hz	1,600 Hz	1,600 Hz
VOICE COIL DIAMETER	3.00"	3.00"	3.00"	3.00"
WEIGHT	9.72 Lbs	9.69 Lbs	5.00 Lbs	4.81 Lbs
NOMINAL IMPEDANCE	8 Ω	8 Ω	8 Ω	16 Ω
MAGNET MATERIAL	Ferrite	Ferrite	Neodymium	Neodymium
DIAPHRAGM TYPE	Phenolic	Titanium	Titanium	Titanium
REPLACEMENT DIAPHRAGM	RPD3220Ph	RPD3220Ti	RPD3220Ti	RPD3220Ti-16

Combos

Combos



NEW



NEW



	WG3220Ph-Nd	WG2500Ti	WG3220Ti-Nd-16
THROAT DIAMETER	2"	2"	1.4"
TYPE	Combo	Combo	Line Array Combo
RATED AES POWER HANDLING (RMS)	110 Watts	100 Watts	110 Watts
PROGRAM POWER	220 Watts	200 Watts	220 Watts
SENSITIVITY (1W/1M)	109 dB	107 dB	102 dB
FREQUENCY RANGE AT -10 dB	600 - 7,500 Hz	1,200 - 17,000 Hz	1,500 - 19,000 Hz
MIN. Crossover POINT AT 12 dB/OCT	800 Hz	1,700 Hz	1,500 Hz
VOICE COIL DIAMETER	3.00"	2.50"	3.00"
WEIGHT	6.40 Lbs	10.32 Lbs	6.96 Lbs
NOMINAL IMPEDANCE	8 Ω	8 Ω	16 Ω
MAGNET MATERIAL	Neodymium	Ferrite	Neodymium
DIAPHRAGM TYPE	Phenolic	Titanium	Titanium
REPLACEMENT DIAPHRAGM	RPD3220Ph	RPD2500Ti	RPD3220Ti-16

Waveguide 2-1.4"



	WG45-50	ADM25-50	WG14-50CR	WGP14-50 CHROME
THROAT DIAMETER	2"	Screw-On to Bolt-on Adaptor	Screw-On to Bolt-on Adaptor	2"
DRIVER CONNECTION	Bolt-On			Bolt-On
MATERIAL	ABS Plastic	Easy to adapt 1" Screw-on Compression driver to a 2" bolt-on waveguide	Aluminum	ABS Plastic
SOUND DISPERSION HXV	90° x 40°		45° x 45°	45° x 45°
LOW FREQUENCY LIMIT	500 Hz		600 Hz	600 Hz
WIDTH	17.75" (450 mm)		6.16" (156.5 mm)	6.92" (175.7 mm)
HEIGHT	10.00" (254 mm)		6.93" (176 mm)	6.92" (175.7 mm)
MOUNTING DEPTH	7.50" (190.5 mm)		4.64" (118 mm)	5.02" (137.6 mm)
WEIGHT	3.73 lbs		1.50 lbs	0.51 lbs
				Also Available in White, Red, Blue, Orange, Gold, Purple, Green, Pink, Gold Black, Chrome White & Chrome Silver



	WGP14-50PR	WGP22-50	WGP22-50PR	WGP26-50
THROAT DIAMETER	2"	2"	2"	2"
DRIVER CONNECTION	Bolt-On	Bolt-On	Bolt-On	Bolt-On
MATERIAL	ABS Plastic	ABS Plastic	ABS Plastic	ABS Plastic
SOUND DISPERSION HXV	45° x 45°	60° x 60°	60° x 60°	50° x 25°
LOW FREQUENCY LIMIT	600 Hz	800 Hz	800 Hz	800 Hz
WIDTH	5.53" (140.5 mm)	9.00" (229 mm)	6.60" (167 mm)	11.50" (292 mm)
HEIGHT	5.53" (140.5 mm)	9.00" (229 mm)	6.60" (167 mm)	6.37" (162 mm)
MOUNTING DEPTH	5.00" (127 mm)	10.75" (263.5 mm)	9.40" (239 mm)	9.88" (251 mm)
WEIGHT	0.40 lbs	1.25 lbs	0.95 lbs	0.95 lbs
		Also Available in White & Chrome		Also Available in White & Chrome

COMBOS

2-1.4" WAVEGUIDES

11

D290Py

The polyimide diaphragm is designed to offer an unsurpassed natural upper mid range and high frequency response, sonically similar to textile dome tweeters found in home audio Hi-Fi systems



Compression Driver

1"



	D290Py-B	D290Py-S	D280Ti-B	D280Ti-S	D260My-B	D230Ti-B	D230Ti-S
THROAT DIAMETER	1"	1"	1"	1"	1"	1"	1"
TYPE	Bolt-on	Screw-on	Bolt-on	Screw-on	Bolt-on	Bolt-on	Screw-on
RATED AES POWER HANDLING (RMS)	90 Watts	90 Watts	80 Watts	80 Watts	60 Watts	30 Watts	30 Watts
PROGRAM POWER	180 Watts	180 Watts	160 Watts	160 Watts	120 Watts	60 Watts	60 Watts
SENSITIVITY (1W/1M)	109 dB	109 dB	109 dB	109 dB	111 dB	105 dB	105 dB
FREQUENCY RANGE AT -10 dB	650 - 19 KHz	650 - 19 KHz	1,300 - 20 KHz	1,300 - 20 KHz	800 - 18 KHz	1,800 - 20 KHz	1,800 - 20 KHz
MIN. Crossover POINT AT 12 dB/OCT	1,000 Hz	1,000 Hz	1,800 Hz	1,800 Hz	1,600 Hz	2,000 Hz	2,000 Hz
VOICE COIL DIAMETER	1.75"	1.75"	1.75"	1.75"	1.50"	1.40"	1.40"
WEIGHT	4.67 Lbs	4.96 Lbs	3.16 Lbs	3.31 Lbs	2.79 Lbs	1.90 Lbs	2.05 Lbs
NOMINAL IMPEDANCE	8 Ω	8 Ω	8 Ω	8 Ω	8 Ω	8 Ω	8 Ω
MAGNET MATERIAL	Ferrite	Ferrite	Ferrite	Ferrite	Ferrite	Ferrite	Ferrite
DIAPHRAGM TYPE	Polyimide	Polyimide	Titanium	Titanium	Mylar	Titanium	Titanium
REPLACEMENT DIAPHRAGM	RPD290Py	RPD290Py	RPD280Ti	RPD280Ti	RPD260My	RPD230Ti	RPD230Ti

WG270Ph

Compact driver design for easy front mount installation. Based on the design of our D250Ph-S this more compact driver was created to supply the demand in the market. The small diameter of the driver allows front mounting, making it easy to install, without detaching the driver from the horn



Compression Driver & Combo



	WGP275Ph	WG275Ph	WG270Ph	D270Ph-S	WG2-230Ti
THROAT DIAMETER	1"	1"	1"	1"	1"
TYPE	Combo	Combo	Combo	Screw-on	Line Array Combo
RATED AES POWER HANDLING (RMS)	100 Watts	100 Watts	75 Watts	75 Watts	30 Watts each driver
PROGRAM POWER	200 Watts	200 Watts	150 Watts	150 Watts	60 Watts each driver
SENSITIVITY (1W/1M)	106 dB	106 dB	106.5 dB	107 dB	107 dB
FREQUENCY RANGE AT -10 dB	500 - 6,500 Hz	600 - 7,000 Hz	600 - 8,000 Hz	400 - 8,000 Hz	1,600 - 20,000 Hz
MIN. Crossover POINT AT 12 dB/OCT	500 Hz	500 Hz	500 Hz	500 Hz	2,000 Hz
VOICE COIL DIAMETER	2.00"	2.00"	2.00"	2.00"	1.40"
WEIGHT	2.24 Lbs	2.27 Lbs	2.85 Lbs	2.56 Lbs	5.14 Lbs
NOMINAL IMPEDANCE	8 Ω	8 Ω	8 Ω	8 Ω	8 Ω each driver
MAGNET MATERIAL	Ferrite	Ferrite	Ferrite	Ferrite	Ferrite
DIAPHRAGM TYPE	Phenolic	Phenolic	Phenolic	Phenolic	Titanium
REPLACEMENT DIAPHRAGM	RPD275Ph	RPD275Ph	RPD270Ph	RPD270Ph	RPD230Ti

Combos

Compression Driver & Combo



NEW



NEW



	WG290Py	WG230Ti	WG175Ph	DT175Ph-S
THROAT DIAMETER	1"	1"	1"	1"
TYPE	Combo	Combo	Combo	Screw-on
RATED AES POWER HANDLING (RMS)	90 Watts	30 Watts	75 Watts	75 Watts
PROGRAM POWER	180 Watts	60 Watts	150 Watts	150 Watts
SENSITIVITY (1W/1M)	109 dB	105 dB	108 dB	108 dB
FREQUENCY RANGE AT -10 dB	650 - 19,000 Hz	1,800 - 20,000 Hz	1,300 - 19,000 Hz	1,300 - 19,000 Hz
MIN. CROSSOVER POINT AT 12 dB/OCT	1,000 Hz	2,000 Hz	3,000 Hz	3,000 Hz
VOICE COIL DIAMETER	1.75"	1.40"	1.00"	1.00"
WEIGHT	2.86 Lbs	2.20 Lbs	1.92 Lbs	1.73 Lbs
NOMINAL IMPEDANCE	8 Ω	8 Ω	8 Ω	8 Ω
MAGNET MATERIAL	Ferrite	Ferrite	Ferrite	Ferrite
DIAPHRAGM TYPE	Polyimide	Titanium	Phenolic	Phenolic
REPLACEMENT DIAPHRAGM	RPD290Py	RPD230Ti	RPDT175Ph	RPDT175Ph

Super Tweeter



NEW



	TW1000Ph	TW700Ti	TW700Ti-CR	TW500My-Nd	TW400Ti-Nd-4	TW350Ti
THROAT DIAMETER	N/A	N/A	N/A	N/A	N/A	N/A
TYPE	Super Tweeter	Super Tweeter	Super Tweeter	Super Tweeter	Super Tweeter	Super Tweeter
RATED AES POWER HANDLING (RMS)	100 Watts	120 Watts	120 Watts	75 Watts	60 Watts	60 Watts
PROGRAM POWER	200 Watts	240 Watts	240 Watts	150 Watts	120 Watts	120 Watts
SENSITIVITY (1W/1M)	106 dB	107 dB	107 dB	108 dB	106 dB	105 dB
FREQUENCY RANGE AT -10 dB	4,000 - 20,000 Hz	3,500 - 20,000 Hz	3,500 - 20,000 Hz	3,500 - 19,000 Hz	4,500 - 20,000 Hz	3,500 - 20,000 Hz
MIN. CROSSOVER POINT AT 12 dB/OCT	5,000 Hz	5,000 Hz	5,000 Hz	4,000 Hz	6,000 Hz	5,000 Hz
VOICE COIL DIAMETER	1.83"	1.50"	1.50"	1.25"	1.00"	1.00"
WEIGHT	2.67 Lbs	3.48 Lbs	3.48 Lbs	1.24 Lbs	1.10 Lbs	1.37 Lbs
NOMINAL IMPEDANCE	8 Ω	8 Ω	8 Ω	8 Ω	4 Ω	8 Ω
MAGNET MATERIAL	Ferrite	Ferrite	Ferrite	Neodymium	Neodymium	Ferrite
DIAPHRAGM TYPE	Phenolic	Titanium	Titanium	Mylar	Titanium	Titanium
REPLACEMENT DIAPHRAGM	RPTW1000Ph	RPTW700Ti	RPTW700Ti	RPTW500My-Nd	RPTW400Ti-Nd-4	RPTW350Ti

Waveguide 1"



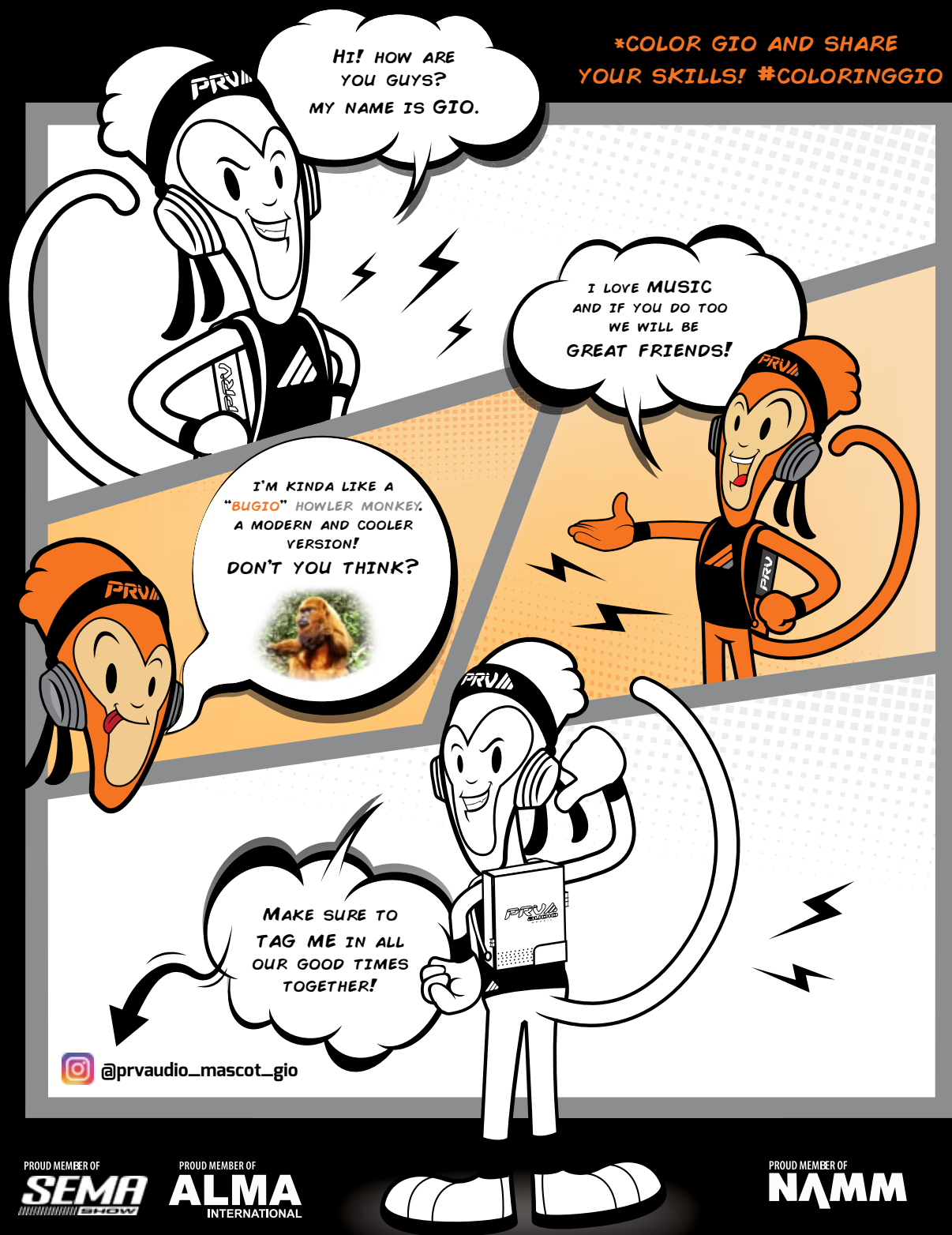
NEW



	WGP14-25 BLACK-S	WGP14-25 CHROME	WGP11-25
THROAT DIAMETER	1"	1"	1"
DRIVER CONNECTION	Screw-On	Screw-On	Screw-On
MATERIAL	ABS Plastic	ABS Plastic	ABS Plastic
SOUND DISPERSION HXV	45° x 45°	45° x 45°	60° x 60°
LOW FREQUENCY LIMIT	600 Hz	600 Hz	1,200 Hz
WIDTH	6.09" (154.7 mm)	6.08" (154.5 mm)	4.5" (115 mm)
HEIGHT	6.09" (154.7 mm)	6.08" (154.5 mm)	4.5" (115 mm)
MOUNTING DEPTH	3.93" (100 mm)	5.62" (143 mm)	2.71" (69 mm)
WEIGHT	0.20 lbs	0.24 lbs	0.18 lbs
	Also Available in White, Red, Blue Gold & Chrome	Also Available in White, Green, Purple, Orange & Gold	Also Available in White, Chrome & Orange CR

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