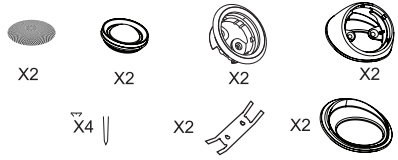
VIRTUSnano 602 / VIRTUSnano 603
VIRTUSnano 602 Carbon / VIRTUSnano 603 Carbon / VIRTUSnano INTEGRA 602 Carbon

2Way / 3Way / Integra Slim Component System Installation Guide

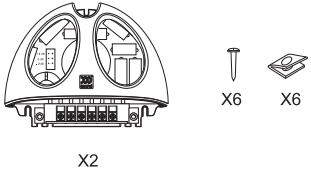
VIRTUS PACKAGE CONTENT

6" WOOFER / INTEGRA

MT120N TWEETER (IN 2-WAY / 3-WAY ONLY)



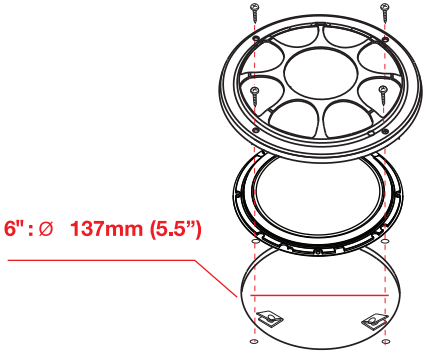
2-WAY / 3-WAY CROSSOVER



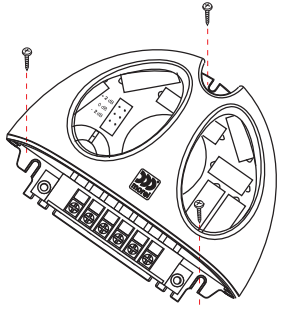
CDM600 MIDRANGE (IN 3-WAY ONLY)

WOOFER & CROSSOVER MOUNTING

6" UNIT MOUNTING

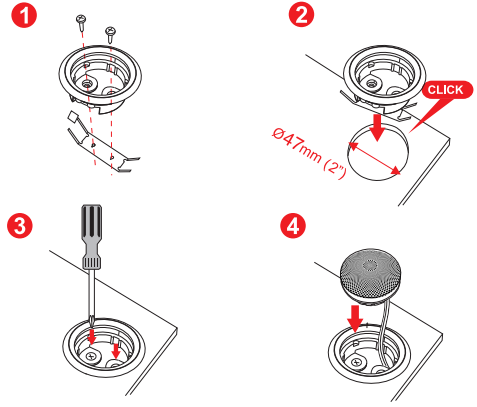


CROSSOVER MOUNTING

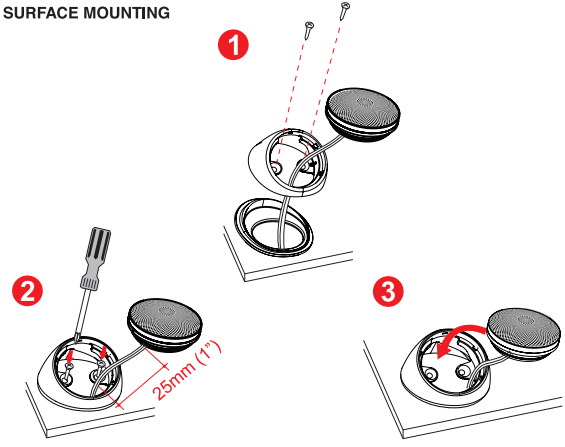


TWEETER MOUNTING

FLUSH MOUNTING

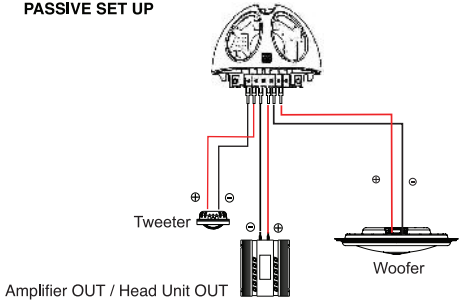


SURFACE MOUNTING

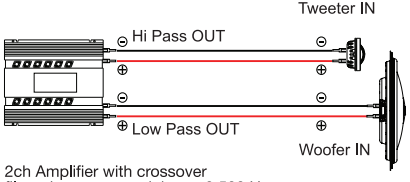


2-WAY CROSSOVER WIRING

PASSIVE SET UP

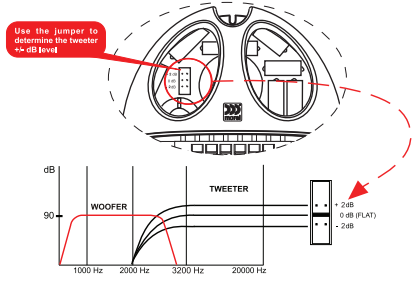


ACTIVE SET UP (Outputs must be filtered)



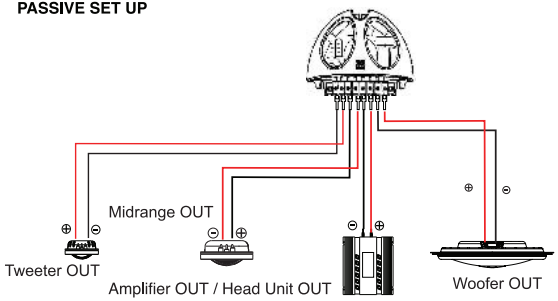
2ch Amplifier with crossover
filtered outputs at minimum 2,500 Hz

TWEETER LEVEL ALIGNMENT

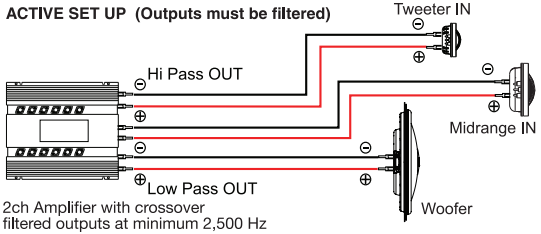


3-WAY CROSSOVER WIRING

PASSIVE SET UP

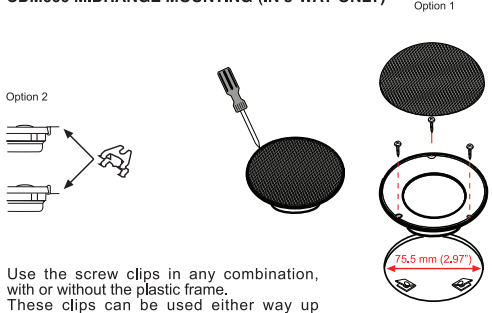


ACTIVE SET UP (Outputs must be filtered)



2ch Amplifier with crossover
filtered outputs at minimum 2,500 Hz

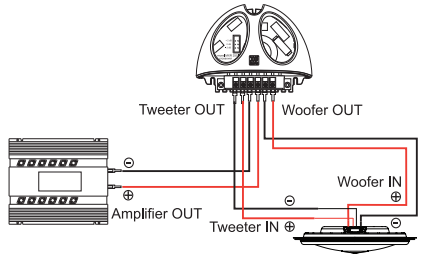
CDM600 MIDRANGE MOUNTING (IN 3-WAY ONLY)



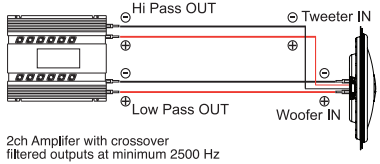
Use the screw clips in any combination,
with or without the plastic frame.
These clips can be used either way up
down depending on installation requirements.

INTEGRA CROSSOVER WIRING

PASSIVE SET UP

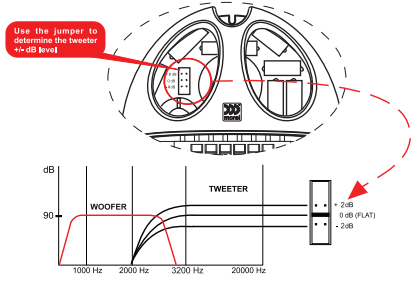


ACTIVE SET UP



2ch Amplifier with crossover
filtered outputs at minimum 2500 Hz

TWEETER LEVEL ALIGNMENT



SPECIFICATIONS

WOOFERS	VIRTUS NANO MW6	VIRTUS NANO MW6C	INTEGRA WOOFER N
Nominal Impedance (Ohms)	4	4	4
Power Handling Wrms	80	100	100
Max. Trans.Pwr Handling Wrms	250	300	300
Sensitivity (2.83V/1M)	88dB	87dB	87dB
Frequency Response Hz	50-3500	50-5500	50-5500
Resonant Freq. Fs Hz	85	68	73
Voice Coil Diameter mm (inch)	54 (2.16)	54 (2.16)	54 (2.16)
Voice Coil Height mm (inch)	9.5 (0.4)	9.5 (0.4)	9.5 (0.4)
Voice Coil Type/ Former	Aluminum	Aluminum	Aluminum
Voice Coil Wire	Hexatech™ Aluminum	Hexatech™ Aluminum	Hexatech™ Aluminum
DC Resistance (Ohms)	4	3	3
Voice Coil Induct. @1 kHz (MH)	0.28	0.17	0.17
Magnet System	Neodymium Vented	Neodymium Vented	Neodymium Vented
HE-Magnetic Gap Height mm (inch)	4 (0.16)	4 (0.16)	4 (0.16)
BL Product/BXL	5.0	3.85	4.18
Max. Linear Ex./Xmax mm (inch)	±3 (0.12)	±3 (0.12)	±3 (0.12)
Electrical Q Factor QES	1.0	0.97	0.97
QTS	0.7	0.65	0.73
QMS	2.2	1.98	3.4
Moving Mass MMS - gr/ ounce	12.5	14	11.8
Equiv. Can Air Load VAS - L (cu.ft)	9	11	7.5
Effective Piston Area SD sq.cm (sq. inch)	141cm²	139cm²	116cm²
Cone Type	Treated Paper Cone	Carbon Cone	Carbon Cone
Cone Material	Carbon + Paper	Carbon + Foam core	Carbon + Foam core
Unit Diameter mm (inch)	6.5 (0.26)	6.5 (0.26)	6.5 (0.26)
Mounting Depth mm (inch)	17 (0.7)	17 (0.7)	17 (0.7)
Mounting Cutout mm (inch)	137 (5.48)	137 (5.48)	137 (5.48)
Net Weight gr.	450	450	450

INTEGRA TWEETER N	
Nominal Impedance (Ohm)	6
Power Handling (WRms)	130
Max Transient Power Handling W (10ms)	350
Sensitivity (2.83V/1M) dB	88
Frequency Response Hz	1600-25000
FS Hz	900
Voice Coil Diameter mm (inch)	28 (1.125)
Voice Coil Former	Aluminum
Voice Coil Wire	Hexatech™ Aluminium
DC Resistance Ohm	5.2
Magnet System	Neodymium
Dome Type	Acuflex™ Hand Coated Soft Dome
Dome Material	Silk

CROSSOVERS	MXR250i Carbon
Crossover Point	1800Hz/12dB/6dB
Crossover Controls	Tweeter+/- 2dB
Wiring Options	N/A

MIDS & TWEETERS	CDM600	MT120N
Nominal Impedance (ohm)	8	4
Power Handling (Wrms)	100	80
Max Transient Power Handling W (10ms)	300	250
Sensitivity (2.83V/1M) dB	90	90
Frequency Response Hz	600-6000	1800-22000
FS Hz	480	1200
Voice Coil Diameter mm (inch)	54 (2.125)	28 (1.125)
Voice Coil Former	Aluminum	Aluminum

	CDM600	MT120N
Voice Coil Wire	Hexatech™ Aluminum	Copper
DC Resistance ohm	3.5	3.4
Magnet System	Neodymium Rear Vented	Neodymium
Dome Type	Selected soft dome	Acuflex Coated Dome
Dome Material	Silk	Silk
Unit Diameter mm (inch)	88.00 (3.50)	45.00 (1.8)
Mounting Depth mm (inch)	21.00 (0.83)	20.00 (0.80)
Mounting Cutout mm (inch)	75.50 (2.97)	50.00 (2.00)
Net Weight Kg(lb)	0.25 (0.55)	0.06 (0.13)

CROSSOVERS	MXR200.3n	MXR300n
Crossover Point	2200Hz/12dB/6dB	W: 500Hz / 12dB M:18dB/ 2200Hz/ 12dB T: 2200Hz / 6dB
Crossover Controls	Tweeter+/- 2dB	Tweeter+/- 2dB
Wiring Options	N/A	N/A

* Morel operates a policy of continuous products design improvement, consequently specifications are subject to alteration without prior notice.