



***Status* SUBWOOFER**
HAUT-PARLEUR D'EXTRÊMES GRAVES *Status*
APPLICATION GUIDE
GUIDE D' APPLICATION

HDZ-W12

12 Inch Dual Voice Coil Subwoofer (4Ω)+(4Ω)
Haut-parleur d'extrêmes graves à double bobine 12 po (4Ω)+(4Ω)

HDZ-W10

10 Inch Dual Voice Coil Subwoofer (4Ω)+(4Ω)
Haut-parleur d'extrêmes graves à double bobine 10 po (4Ω)+(4Ω)



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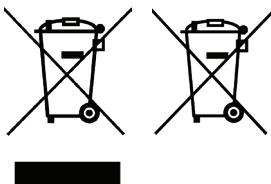
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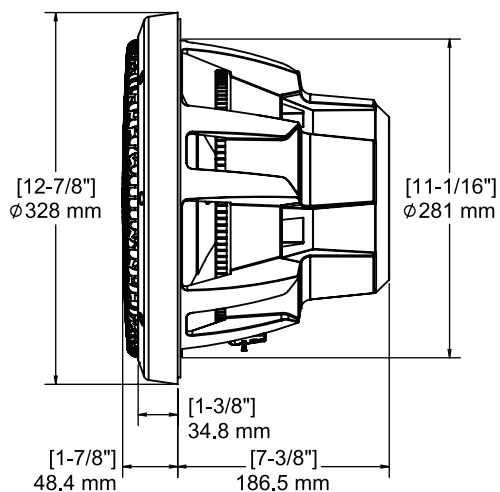
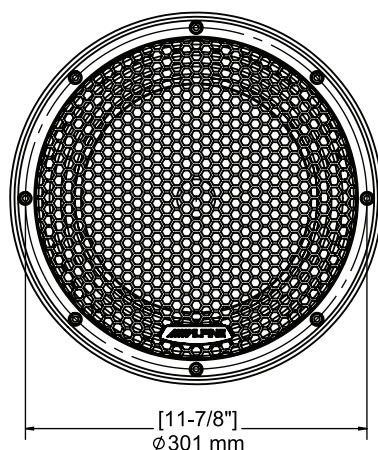
Information on Disposal of Old Electrical and Electronic Equipment and Battery (applicable for countries that have adopted separate waste collection systems)

If you want to dispose this product, do not mix it with general household waste. There is a separate collection system for used electronic products in accordance with legislation that requires proper treatment, recovery and recycling. Contact your local authority for details in locating a recycle facility nearest to you. Proper recycling and waste disposal will help conserve resources whilst preventing detrimental effects on our health and the environment.

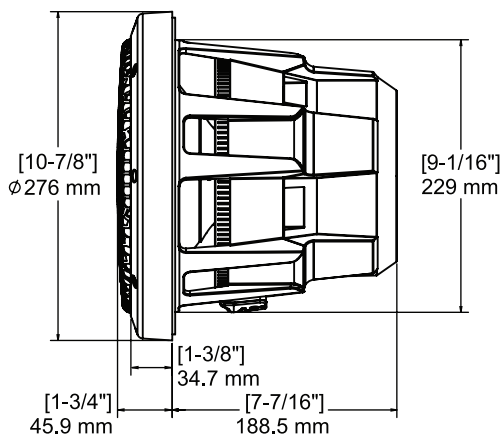
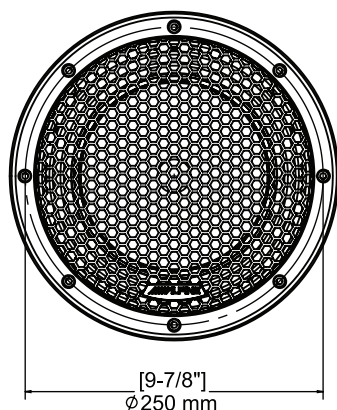
Information sur le traitement des Déchets Electriques et Electroniques (DEEE), pour les pays ayant adopté un traitement séparés de ces déchets

Si vous possédez des appareils Electriques ou Electroniques usagés, ne les jetez pas dans le système général. Conformément à la Directive Européenne, transposée dans votre pays, il existe un système séparé de recyclage et de traitement de ces déchets. Veuillez contacter l'administration locale afin de prendre connaissance du lieu de recyclage et de traitement le plus proche de chez vous. Ce système est destiné à protéger l'environnement.

HDZ-W12



HDZ-W10



**High Amplitude Multi-Roll
(HAMR) Surround**
(US Pat #8,208,677)

**Open Mesh Style
Protective Grille**

**Premium Aluminum
Trim Ring**

**Carbon Fiber
Dust Cap**

**Pulp-Mica
Cone Body**

**8AWG Insert Terminals
With Series/Parallel
Jumper Plugs**

**Dual Progressive
Spiders With Integrated
Tinsel Leads**

**65mm Voice Coil on
Aluminum Former**

**Cast Aluminum
Frame**

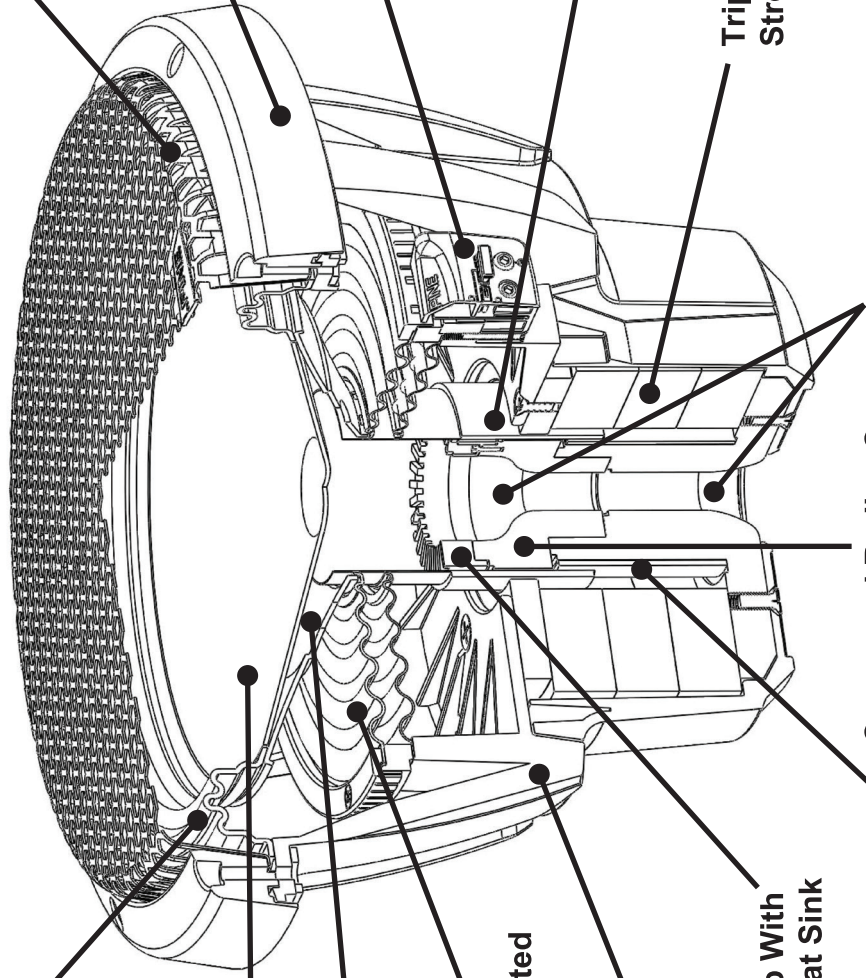
**Copper Shorting Cap With
Integrated Radial Heat Sink**

**Triple-Stacked High Power
Strontium Ferrite Magnets**

**Compound Radius Curve
Extended Pole Geometry**
(US Pat #6,639,993)

**Airflow Optimized
Dual Flare Pole Vent**

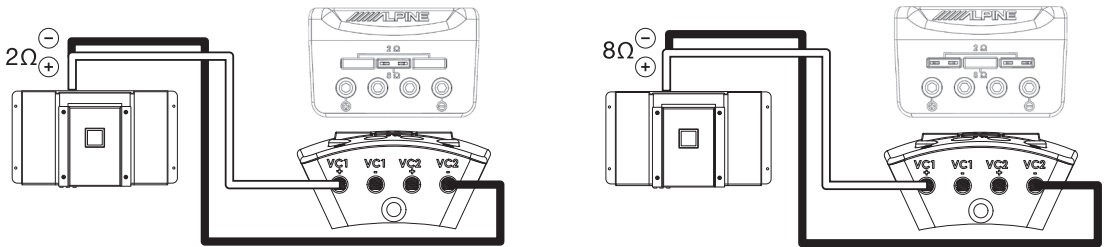
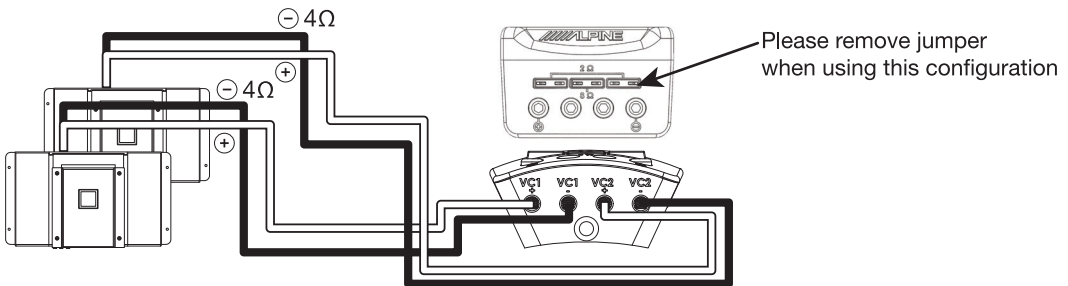
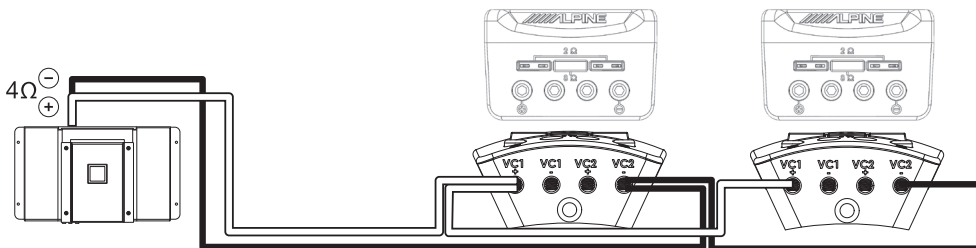
**Integrated Aluminum
Shorting Sleeve**



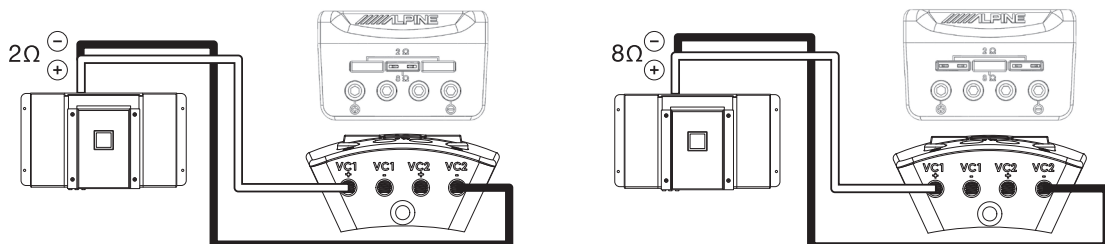
General Specifications	
Size	Taille
Frequency Response	Response en Fréquence
Power Range	Plage de Puissance
Power Handling	Puissance Admissible
Magnet Weight	Poids de l'aimant
Voice Coil Diameter	Diamètre de la bobine
Thiele-Small Parameters	
Sensitivity (1W/1m)	Sensibilité (1W/1m)
DC Resistance	Résistance DC
Inductance	Inductance
Free Air Resonance	Résonance a l'air libre
Equivalent Stiffness	Raideur équivalente
Mechanical Q	Q Mécanique
Electrical Q	Q Électrique
Total Q	Q Total
Cone Area	Surface du diaphragme
Linear Excursion	Displacement Linéaire
Mechanical Travel	Déplacement Mécanique

Status Series	
HDZ-W12	HDZ-W10
4Ω+4Ω	4Ω+4Ω
12"	10"
26Hz-200Hz	26Hz-200Hz
400W-800W RMS	
800W RMS (efficace) / 2400W PEAK (de crête)	
174 oz (x3)	
65.5 mm (2.6")	
83.7 dB	82.2 dB
7.34Ω	6.36Ω
56.5 mH	36.3 mH
29 Hz	33 Hz
41.33 L	15.24 L
5.39	5.43
0.67	0.77
0.60	0.68
475 cm²	305 cm²
20 mm	
82 mm	

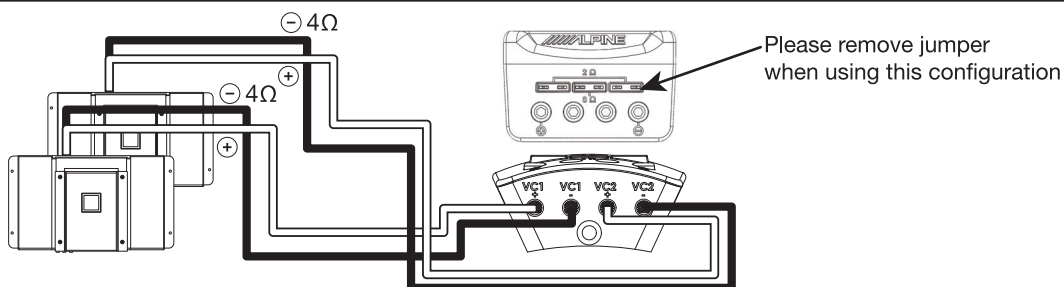
Note: *DCR measured with coils in series configuration
REMARQUE: *DCR mesuré avec des bobines acoustiques en série

ALPINE **$4\Omega + 4\Omega$** **HDZ-W12****Example 1** *One Amplifier + One Subwoofer***Example 2** *Two Amplifiers + One Subwoofer***Example 3** *One Amplifier + Two Subwoofers*

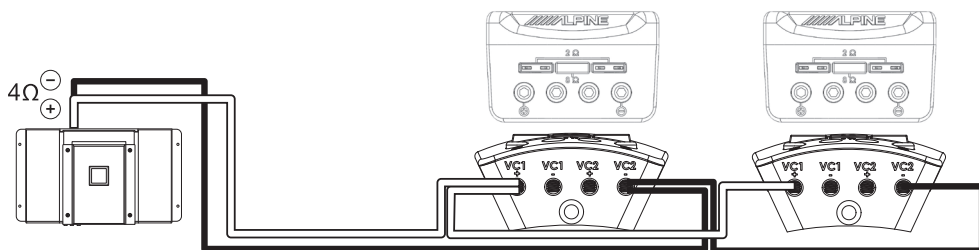
Example 1 One Amplifier + One Subwoofer



Example 2 Two Amplifiers + One Subwoofer



Example 3 One Amplifier + Two Subwoofers



		HDZ-W12	HDZ-W10
Sealed Box Range	Net Internal Volume	0.75-2.0 ft ³	0.5-1.5 ft ³
Recommended Sealed Box	External Box Dimensions	15" H x 18" W x 12.75" D	13" H x 16" W x 11.5" D
	Gross Internal Volume	1.32 ft ³	0.97 ft ³
	Net Internal Volume	1.20 ft ³	0.85 ft ³
	F3, Qtc	33Hz, 0.92	32Hz, 0.97
Vented Box Range	Net Internal Volume	1.0-2.0 ft ³	1.0-1.75 ft ³
	Tuning	30-36Hz	32-37Hz
Recommended Vented Box	External Box Dimensions	14" x 23.5" x 14"	13.25" x 23.5" x 13.25"
	Gross Internal Volume	1.98 ft ³	1.76 ft ³
	Vent Area (W x H)	15 in ² (3.75" x 4")	15 in ² (3.75" x 4")
	Vent Length	18"	18"
	Vent Displacement	0.21 ft ³	0.21 ft ³
	Net Internal Volume (Vb)	1.65 ft ³	1.43 ft ³
	F3, ripple, Fb	27Hz, 5.9dB, 33Hz	26Hz, 8.4dB, 35Hz
Front Mount Displacement* (magnet in)		0.120 ft ³	0.122 ft ³
Rear Mount Displacement* (magnet out)		0.030 ft ³	0.035 ft ³

		HDZ-W12	HDZ-W10
Gamme Box Sealed	Volume intérieur net	0.75-2.0 pi ³	0.5-1.5 pi ³
Recommended Boîte Scellé	Dimensions externes de la boîte	15 po H x 18 po W x 12.75 po D	13 po H x 16 po W x 11.5 po D
	Volume intérieur brut	1.32 pi ³	0.97 pi ³
	Volume intérieur Net	1.20 pi ³	0.85 pi ³
	F3, Qtc	33Hz, 0.92	32Hz, 0.97
Gamme charge bass-reflex	Volume intérieur net	1.0-2.0 pi ³	1.0-1.75 pi ³
	Mise au point	30-36Hz	32-37Hz
Recommended charge bass-reflex	Dimensions externes de la boîte	14 po x 23.5 po x 14 po	13.25 po x 23.5 po x 13.25 po
	Volume intérieur brut	1.98 pi ³	1.76 pi ³
	Aire de l'évent (W x H)	15 po ² (3.75 po x 4 po)	15 po ² (3.75 po x 4 po)
	Longueur de l'évent	18 po	18 po
	Déplacement de l'évent	0.21 pi ³	0.21 pi ³
	Volume intérieur Net (Vb)	1.65 pi ³	1.43 pi ³
	F3, crête, Fb	27Hz, 5.9dB, 33Hz	26Hz, 8.4dB, 35Hz
Avant le déplacement du Mont * (aimant)		0.120 pi ³	0.122 pi ³
Déplacement du bâti arrière * (des aimants)		0.030 pi ³	0.035 pi ³