

Amplified Loudspeaker Controller (ALC) Suggestions* for Loudspeaker Models

*The amplifier / loudspeaker pairings on this chart represent the MINIMUM power capability ALC that Biamp recommends to meet the intended performance of each product. A higher power ALC than that recommended can also be used for increased headroom if desired. Each loudspeaker preset includes appropriate RMS and Peak limiters to properly protect the loudspeakers when used with larger ALC models.

IMPORTANT: These recommendations [●] are to be used as initial guidelines for operating ONE loudspeaker only. When powering multiple loudspeakers in parallel, it is possible that a different ALC model will be required to meet the total power and/or impedance requirements of the specific configuration. Additionally, when powering multiples of loudspeakers on any ALC, the total power from all output channels combined must be considered. See the spec sheet for total maximum power recommended per ALC, all output channels combined.

Family	Model	Mode	ALC-404D		ALC-1604D		ALC-3202D	
			Single Channel Output	Bridged Outputs	Single Channel Output	Bridged Outputs	Single Channel Output	Bridged Outputs
			400W @ 4Ω	800W @ 8Ω	1400W @ 4Ω	2800W @ 8Ω	2400W @ 4Ω	4800W @ 8Ω
Desono D Series	All Models	Passive	●					
Desono E Series	ENT-FR, ENT-LF	Passive				●		
	ENT203, ENT206	Passive	●					
	ENT212, ENT220	Passive		●				
Community I Series IC6	IC6-1062	Passive	●					
	IC6-1082	Passive		●				
	IC6-2082	Passive			●			
Community I Series IP6	IP6-1122, IP6-1152	Passive			●			
	IP6-1122, IP6-1152 (Biamp mode)	LF			●			
		MF/HF	●					
Community I Series IP8	IP8-1122, IP8-1152	Passive				●		
		LF				●		
	IP8-1122, IP8-1152 (Biamp mode)	MF/HF	●					
		LF				●		
	IP8-1153 (Biamp mode)	MF/HF		●				
		LF				●		
	IP8-1153 (Triamp)	MF	●					
HF		●						

(I Series continued on the next page)

Amplified Loudspeaker Controller (ALC) Suggestions* (continued)

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			Single Channel Output	Bridged Outputs	Single Channel Output	Bridged Outputs	Single Channel Output	Bridged Outputs
			400W @ 4Ω	800W @ 8Ω	1400W @ 4Ω	2800W @ 8Ω	2400W @ 4Ω	4800W @ 8Ω
Community I Series IS6	IS6-112, IS6-115, IS6-118	Passive				•		
	IS6-212, IS6-215, IS6-218	Passive						•
Community I Series IS8	IS8-112, IS8-115, IS8-118	Passive						•
	IS8-212, IS8-215, IS8-218	Passive						•
Community I Series IV6	IV6-1122	Passive				•		
	IV6-118S	Passive				•		
Community R Series	R.15COAX R.25-94Z R.35COAX	Passive	•					
	R.35-3896	Passive		•				
	R.5-COAX R.5-Z R.5 HP	Passive	•					
	R1-Z	Passive	•					
	R2-Z	Passive		•				
	RMG-200A	Passive	•					
	RSH-462	Passive			•			
Community R Series R-MAX	R.5-MAX	Passive			•			
	R2-MAX (Biamp mode)	LF				•		
MF/HF			•					
Community L Series	LVH-906/AS, LVH-909/AS	LF 1				•		
		LF 2				•		
		MF 1 & 3	•					
		MF 2	•					
		HF 1 & 4	•					
		HF 2 & 3	•					

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			Single Channel Output	Bridged Outputs	Single Channel Output	Bridged Outputs	Single Channel Output	Bridged Outputs
			400W @ 4Ω	800W @ 8Ω	1400W @ 4Ω	2800W @ 8Ω	2400W @ 4Ω	4800W @ 8Ω
Community L Series	LVH-906/AP, LVH-909/AP	LF 1				●		
		LF 2				●		
		LF 1				●		
		LF 2				●		
		MF 3, MF 1	●					
		MF 2, MF 2	●					
		MF 1, MF 3	●					
		HF 4, HF 1	●					
		HF 3, HF 2	●					
		HF 2, HF 3	●					
		HF 1, HF 4	●					
Community V Series	V2-6, V2-8 V2-26, V2-28	Passive	●					
	V2-1296, V2-1596 V2-3294, V2-3594	Passive	●					
	V2-212S V2-215S	Passive		●				
	VLF208	Passive	●					
	VLF208LV	Passive		●				
Community V Series (Monitors)	MX8 MX10	Passive	●					
Community W Series	W2-218 W2-228 W2-2W8	Passive	●					