# Amplified Loudspeaker Controller (ALC-D) 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 | | | | ● | | |
| | IP8-1122, IP8-1152 (Biamp mode) | LF | | | | ● | | |
| | | MF/HF | ● | | | | | |
| | IP8-1153 (Biamp mode) | LF | | | | ● | | |
| | | MF/HF | | ● | | | | |
| | IP8-1153 (Triamp) | LF | | | | ● | | |
| | | MF | ● | | | | | |
| | | HF | ● | | | | | |

*(I Series continued on the next page)*

# Amplified Loudspeaker Controller (ALC-D) Suggestions* (continued)

| Family | Model | Mode | ALC-404D Single Channel Output 400W @ 4Ω | ALC-404D Bridged Outputs 800W @ 8Ω | ALC-1604D Single Channel Output 1400W @ 4Ω | ALC-1604D Bridged Outputs 2800W @ 8Ω | ALC-3202D Single Channel Output 2400W @ 4Ω | ALC-3202D Bridged Outputs 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 | ● | | | | | |

## Amplified Loudspeaker Controller (ALC-D) Suggestions* (continued)

| 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 |
| 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 | ● | | | | | |

# Amplified Loudspeaker Controller (ALC-AN) 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-404AN | | ALC-1604AN | | ALC-3202AN | |
|---|---|---|---|---|---|---|---|---|
| | | | 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 | | | | ● | | |
| | IP8-1122, IP8-1152 (Biamp mode) | LF | | | | ● | | |
| | | MF/HF | ● | | | | | |
| | IP8-1153 (Biamp mode) | LF | | | | ● | | |
| | | MF/HF | | ● | | | | |
| | IP8-1153 (Triamp) | LF | | | | ● | | |
| | | MF | ● | | | | | |
| | | HF | ● | | | | | |

# Amplified Loudspeaker Controller (ALC-AN) Suggestions* (continued)

| Family | Model | Mode | ALC-404AN | | ALC-1604AN | | ALC-3202AN | |
|---|---|---|---|---|---|---|---|---|
| | | | 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 | ● | | | | | |

| Family | Model | Mode | ALC-404AN | | ALC-1604AN | | ALC-3202AN | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | | | 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 | ● | | | | | |