

Suggested Amplifier Arrangement for Elevation Line Array

Cabinets	Configuration	Power Handling	Impedance
EL210 HF	2 x 1-inch Paraline Lens	160	8 Ohms
EL210 MF	2 x 10-inch Woofers	1200	8 Ohms
EL212 Sub	2 x 12-inch Tapped Horn	1600	4 Ohms

System 1 - 4 x EL210 / 2 x ELS212		AmplifierType	Amplifiers	Cabinets	Impedance	Req'd Power	Delivered Power
EL210 (4)	EL210 - HF	V22 (4ohm Mode)	1	2 per side	4	640	900
	EL210 - MF	V42 (bridged)	2	2 per amp	4	4800	4800
EL212 (2)	ELS212 - Subwoofer	V64	1	1 per side	4	3200	4000
Total							9700

System 2 - 8 x EL210 / 4 x ELS212		AmplifierType	Amplifiers	Cabinets	Impedance	Req'd Power	Delivered Power
EL210 (8)	EL210 - HF	V22 (4ohm Mode)	2	2 per side	4	1280	1800
	EL210 - MF	V42 (bridged)	4	2 per amp	4	9600	9600
EL212 (4)	ELS212 - Subwoofer	V64	2	1 per side	4	6400	8000
Total							19400

System 3 - 12 x EL210 / 6 x ELS212		AmplifierType	Amplifiers	Cabinets	Impedance	Req'd Power	Delivered Power
EL210 (12)	EL210 - HF	V22 (4ohm Mode)	3	2 per side	4	1920	2400
	EL210 - MF	V42 (bridged)	6	2 per amp	4	14400	14400
EL212 (6)	ELS212 - Subwoofer	V64	3	1 per side	4	9600	12000
Total							28800

System 4 - 16 x EL210 / 8 x ELS212		AmplifierType	Amplifiers	Cabinets	Impedance	Req'd Power	Delivered Power
EL210 (16)	EL210 - HF	V22 (4ohm Mode)	4	2 per side	4	2560	3600
	EL210 - MF	V42 (bridged)	8	2 per amp	4	19200	19200
EL212 (8)	ELS212 - Subwoofer	V64	4	1 per side	4	12800	16000
Total							38800

The Scenario is the preferred system set-up, and the configuration the processor presets will be set for out of the box.

We will provide a referenced amplifier gain table in the processor manual and on the VTC website so customers will have a baseline for calibrating other amplifier set-ups, or calibrating the processor settings to other manufacturer's amplifiers.