## Suggested Amplifier Arrangement for Elevation Line Array

| 4 x EL210 / 2 x ELS212* | | AmplifierType | Amplifiers | Cabinets | Total # Cabinets | Impedance | Power |
|---|---|---|---|---|---|---|---|
| **EL210 (4)** | EL210 - HF | **AP2020 (4 ohm Mode)** | **1** | 2 per channel | 4 | 4 | 900 |
| | EL210 - MF | **AP4020 (bridged)** | **2** | 2 per amp | | 4 | 4800 |
| **EL212 (2)** | ELS212 - Subwoofer | **AP6040** | **1** | 1 per channel | 2 | 4 | 4000 |
| | | | | | | | **9700** |

| 8 x EL210 / 4 x ELS212 | | AmplifierType | Amplifiers | Cabinets | Total # Cabinets | Impedance | Power |
|---|---|---|---|---|---|---|---|
| **EL210 (8)** | EL210 - HF | **AP2020 (4 ohm Mode)** | **2** | 2 per channel | 8 | 4 | 1800 |
| | EL210 - MF | **AP4020 (bridged)** | **4** | 2 per amp | | 4 | 9600 |
| **EL212 (4)** | ELS212 - Subwoofer | **AP6040** | **2** | 1 per channel | 4 | 4 | 8000 |
| | | | | | | | **19400** |

| 12 x EL210 / 6 x ELS212 | | AmplifierType | Amplifiers | Cabinets | Total # Cabinets | Impedance | Power |
|---|---|---|---|---|---|---|---|
| **EL210 (12)** | EL210 - HF | **AP2020 (4 ohm Mode)** | **3** | 2 per channel | 12 | 4 | 2400 |
| | EL210 - MF | **AP4020 (bridged)** | **6** | 2 per amp | | 4 | 14400 |
| **EL212 (6)** | ELS212 - Subwoofer | **AP6040** | **3** | 1 per channel | 6 | 4 | 12000 |
| | | | | | | | **28800** |

| 16 x EL210 / 8 x ELS212 | | AmplifierType | Amplifiers | Cabinets | Total # Cabinets | Impedance | Power |
|---|---|---|---|---|---|---|---|
| **EL210 (16)** | EL210 - HF | **AP2020 (4 ohm Mode)** | **4** | 2 per channel | 16 | 4 | 3600 |
| | EL210 - MF | **AP4020 (bridged)** | **8** | 2 per amp | | 4 | 19200 |
| **EL212 (8)** | ELS212 - Subwoofer | **AP6040** | **4** | 1 per channel | 8 | 4 | 16000 |
| | | | | | | | **38800** |

**4 x EL210 / 2 x ELS212 is the basic amplifier / cabinet grouping, and should be considered only as one side of a stereo 8 top / 4 sub array, as a center fill or a delayed repeater stack in a much larger system. Using 2 x EL210 and 1 ELS212 per side as a full system isn't suggested.*

These are the preferred system set-ups with our AP amplifiers, and the configurations we will include in the processor presets. We will eventually fabricate a rack panel cable patchbay wired for these amp configurations. We will also provide a referenced amplifier gain table in the processor manual and on the VTC website to assist customers when calibrating systems for manufacturers' amplifier gain structures.

| Individual Cabinet Specs | | 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 |