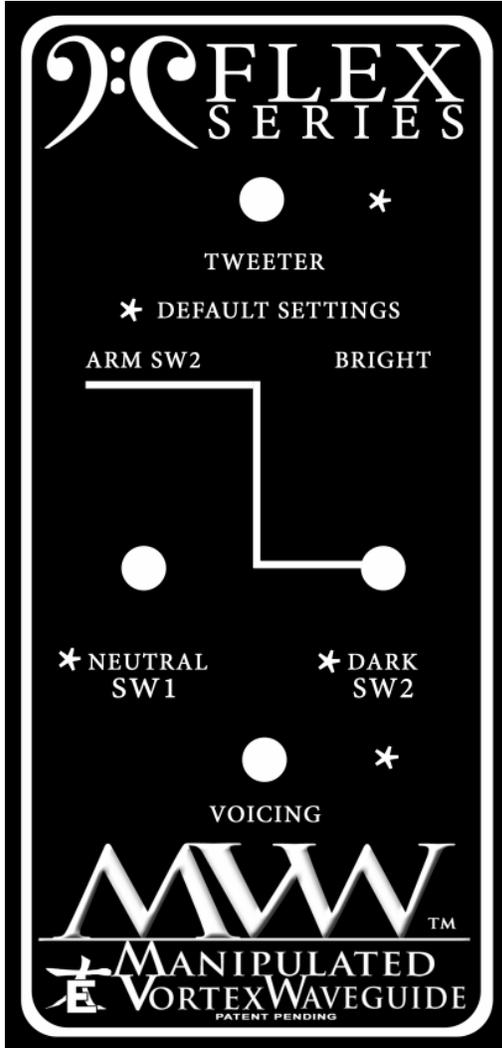




MAS-210 Flex controls



As illustrated in the picture at the left there are spaces for four switches.

Top: The tweeter control switch. This switch will allow selection of one, two, or no tweeters. The default setting is (marked with an *) the single tweeter setting.

Bottom: The Voicing control Switch. This controls the signal phase between the Mid/High section and the Woofer section. The default setting (marked with an *) is in phase.

Arming Switch SW1: This switch arms or disarms the DARK setting in SW2. The default setting (marked with an *) is Neutral or Off.

Bright/Dark SW2: This switch controls Mid/High output in relation to the Woofer section. The default setting (marked with an *) is Dark. However, unless the Arming Switch SW1 is lifted to the Arm SW2 setting SW2 remains in the Neutral setting and the Dark setting is not enabled.

Placing all the switches in their Default settings places the cabinet in a Neutral voicing with an even response curve. In this setting the cabinet is +/- 7db from 35Hz to 16Khz.

Switching in operation:

The MAS-210 flex is shipped with all switches in the Default or Neutral setting. This is a good place to start when finding desired tone. The instrument signal chain can be adjusted and optimized prior to moving the Loudspeaker from its Neutral setting.

The Arming Switch SW1 on the 210 Flex allows a third voicing in the Bright/Dark SW2 switch. With the Arming Switch SW1 in the Default setting (Neutral) the Bright/Dark switch is not allowed access to the internal PXB circuit thereby not allowing the Dark voicing. In this mode the Bright/Dark SW2 switch will only change

voicing from Neutral to Bright. This allows rapid change from Neutral to Bright without accidental engagement of the Dark setting. When the Arming SW1 switch is lifted to the Arm (Arm SW2) position the Bright/Dark SW2 switch then has access to the PXB circuit. If the Bright/Dark SW2 switch is in the Bright position the PXB circuit remains disengaged. If the Bright/Dark SW2 switch is then put into the Dark position the PXB circuit is engaged and the cabinet enters the Dark voicing. The PXB circuit causes a slight decrease in sensitivity of the Mid/High section and when pushed into high power (700 watts or more) adds gentle compression and warmth. For a more aggressive tone the Bright/Dark SW2 can be lifted to the Bright setting. This increases the sensitivity of the Mid/High section. The Bright setting can be set no regard to the position on the Arming SW1 switch.

The Tweeter switch can be used to set three different High Frequency options. In the default setting one tweeter is operational. The switch can be moved to the Off (center) position. In this position the High Frequency section is inactive allowing the Mid-range drivers to produce High Frequency output extending beyond 8KHz. This will produce an extended Mid-range presence with a High Frequency roll-off. The Tweeter switch can be moved to the two tweeters (left) setting. This engages the second tweeter and makes a subtle change in the High Frequency crossover. This setting adds extra presence in the 10KHz range as well as the entire High Frequency section.

The Voicing switch is a phase control between the Mid/High section and the Woofer section. This controls the interaction of these two sections in the Upper Bass / Lower Midrange region of the loudspeaker. This is useful in controlling the bass contour. In the Default setting this bass region is full and even. In the Non-Default setting this bass region is thinned. This thinner contour allows greater bass control in boomy environments or to create a cleaner sound when in Dark mode.

Personal note:

Thank you for your purchase of the MAS-210. This advanced Loudspeaker has been designed with you, the artist, in mind. We trust that you will find your experience with our product to be exceptional. We are continually working to improve our products and welcome your feedback. Please feel free to contact your sales representative or Big E Loudspeakers toll free (US) 877-517-2626 or (INT) 01-815-686-2063 or visit our forum at forum.bigeloudspeakers.com.

