

# Bogen C Series Amplifiers



## Classic 35, 60, & 100

35, 60 and 100 watt models

Balanced low-impedance microphone inputs; high impedance auxiliary input

Microphone precedence over Aux 2 input with customer-supplied switch

Selector switch permits 2 Mic/1 Aux or 1 Mic/2 Aux operation

Provision to drive tape recorder, booster amplifier, 500/600 W telephone line

UL and CSA listed

The Classic Series C35, C60 and C100 are mixer amplifiers intended for medium to large applications. The C35 is rated at 35 watts. The C60 and C100 are rated at 60 and 100 watts, respectively.

The amplifiers mix 4 inputs: 2 Mic/1 Aux and Tel, or 1 Mic/2 Aux and Tel. A second telephone input can be added to one of the Mic channels or Aux input using an accessory transformer (model WMT-1A). A front panel switch selects Mic 2 or Aux 1 input. A built-in circuit provides microphone precedence over the Aux 2 input when a customer-supplied SPST switch is actuated.

Each input has its own volume control; treble and bass controls are included to adjust the tonal balance of the output. The Tel channel includes a screwdriver adjustable volume controls on the rear panel.

Balanced and unbalanced outputs are provided for 4 W, 8 W, and 16 W speaker systems and for 25 volt and 70 volt constant voltage systems. Output jacks permit patching in a tape recorder or an additional booster amplifier, or feeding a 500/600 W telephone line when an accessory transformer is used.

The Classic Series are designed with all silicon semiconductors and advanced

complementary transistor circuitry to assure highest reliability. Thermal and electrical protection is built in and is designed to protect the amplifier against abnormal heat build-up and short circuited or overloaded outputs.

## **Classic 10/10MOH, & Classic 20/20MOH**

10 and 20 watt models

Balanced low-impedance microphone inputs; high impedance auxiliary input

Mic 1 precedence over Aux with customer-supplied switch

Tel input with signal activated muting of Aux channel

Input matching to a telephone line with accessory transformer

Available with MOH output

UL and CSA listed

The Classic Series C10 and C20 are rated at 10 and 20 watts respectively. Both models are available with a music on hold output (Models C10MOH & C20MOH).

The amplifiers mix 3 inputs: 2 Mic and Tel, or 1 Mic, 1 Aux and Tel. A second telephone input can be added using an accessory transformer. A built-in circuit provides microphone precedence over the Aux channel when a customer-supplied SPST switch is actuated. The Tel input is signal activated and automatically mutes the Aux channel during a page.

Each input has its own volume control; a treble control is included to adjust the tonal balance of the output. The Tel channel includes screwdriver adjustable mute threshold (VOX) and volume controls.

Balanced and unbalanced outputs are provided for 4 W, 8 W, and 16 W speaker systems and for 25 volt and 70 volt constant voltage systems. The C10MOH and C20MOH versions include a Music-On-Hold output from the Aux input source. The input is unaffected by paging. Two output taps are provided: 600W @ 1 volt or 8W @ 1 watt. Screw terminals are used for all connections. The output includes a screwdriver adjustable level control on the rear panel.

Thermal and electrical protection is built in and is designed to protect the amplifier against abnormal heat build-up and short circuited or overloaded outputs.