



Model V55 User Guide



GENERAL

The Classic V55 combines a classic vintage design with modern acoustic components to meet today's performance standards. With its characteristic C presence peak the V55 is excellent for vocal pickup.

The V55 has a cardioid (unidirectional) polar pickup pattern that minimizes sound pickup from the rear of the microphone. This allows the V55 to be used in close proximity to loudspeakers without creating feedback problems, and it can perform under adverse acoustic conditions where omnidirectional microphones cannot.

The V55 has a low-impedance balanced output designed for connection to microphone inputs rated at 75 to 300 ohms. The microphone features a cartridge shock mount to reduce stand noise, an On/Off switch, and an attached self-tensioning 5/8"-27 thread swivel mount.

This microphone is ideal for public address, live performance and theatre, as well as for broadcasting, recording, and any other sound applications where a stand-mounted microphone with a classic vintage look is desired.

Features

- Classic appearance, modern performance.
- Frequency response tailored for speech, vocals and instrumental music
- Cardioid directional pattern for optimum performance in adverse acoustic environments
- Shock-mounted cartridge minimizes stand-transmitted noise, ensures quiet operation
- Rugged die cast case and mechanical design for reliability under rigorous conditions
- Self-tensioning swivel mount, permits tilting through any position from 45° forward to 80° backward

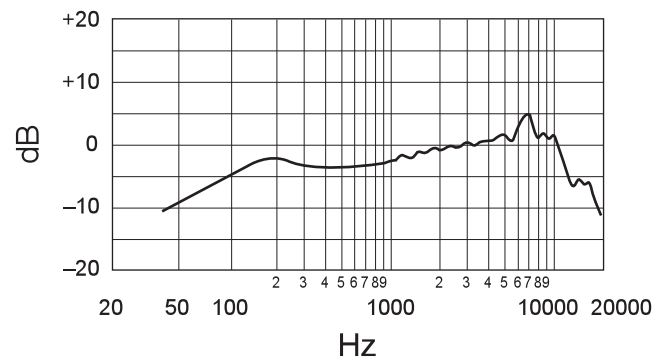
SPECIFICATIONS

Type

Dynamic

Frequency Response

50 to 15,000 Hz (See Figure 1)

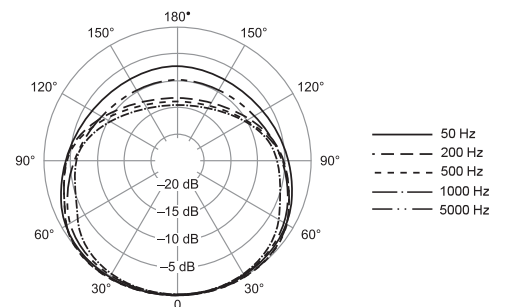


TYPICAL FREQUENCY RESPONSE

FIGURE 1

Polar Pattern

Cardioid (unidirectional), uniform with frequency, symmetrical about axis (see Figure 2)



TYPICAL POLAR PATTERNS

FIGURE 2

Impedance

Microphone rating impedance is 150 ohms (270 ohms actual) for connection to microphone inputs rated at 75 to 300 ohms

Sensitivity (at 1,000 Hz)

Open Circuit Voltage.....-58.0 dBV/Pa (1.3 mV)
1 Pascal=94 dB SPL

Polarity

Positive pressure on the diaphragm produces positive voltage on pin 2 relative to pin 3 of the output connector

Switch

Built-in On/Off switch, integral part of swivel mount,connector
Three pin professional type,designed to mate with Cannon XL series.

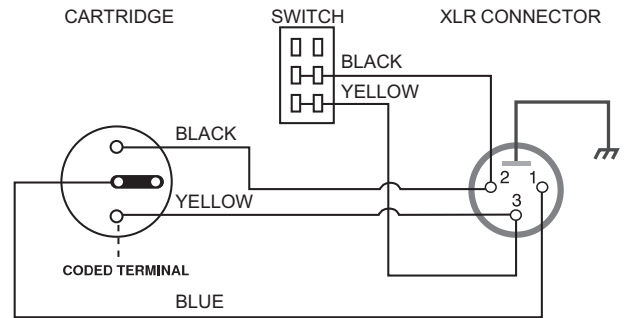
Case

Chrome-plated die casting

POLARITY

To test two microphones and their cables for common polarity, connect them to an amplifier and talk or sing into them while holding them three or four inches apart. The sound from the speakers should be the same when talking into either microphone or directly between them if they have common polarity.

If the sound level drops drastically, or if a dead spot is found, when talking between the two microphones, either the microphones or their cables have different polarity. All cables and microphones can be tested in this manner to ensure that they have common polarity.



INTERNAL CONNECTIONS

FIGURE 3