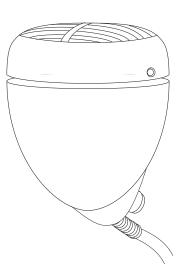


# 520DX HARMONICA MICROPHONE

# **Specification Sheet**



#### GENERAL

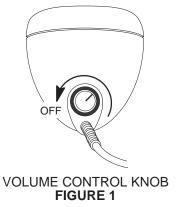
Contoured to fit comfortably in the palm of your hand, the Model 520DX "Green Bullet" microphone produces the unique sound that has made it a legend among harmonica players.

The 520DX features a volume control knob at the base of the microphone (see Figure 1) that allows musicians to make adjustments to suit their needs during a live performance. An attached cable with a standard 1/4-inch phone plug allows the microphone to be connected to a high-impedance device.

# APPLICATIONS

Connect the 520DX directly into a guitar amplifier to produce the classic blues harp sound.

# **VOLUME CONTROL**



#### LOW IMPEDANCE

To connect the 520DX to a low impedance device, such as a mixer, use a low-to-high impedance-matching line transformer, such as the Shure model A95U. **NOTE:** The 520DX can be rewired for low impedance, but this disables the volume control. Contact the Shure Applications Group at (847) 866-2525 for more information.

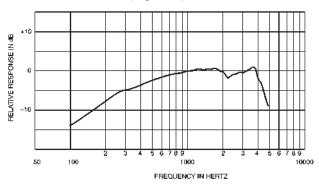
#### SPECIFICATIONS

#### Туре

Dynamic

# **Frequency Response**

100 to 5,000 Hz (Figure 2)



TYPICAL FREQUENCY RESPONSE FIGURE 2

#### **Polar Pattern**

Omnidirectional

#### Impedance

High, unbalanced

#### Load Impedance Range

Minimum: 100 k $\Omega$ 

# Output Level (at 1,000 Hz)

Open Circuit Voltage ..... -54.0 dB (2.0 mV)\* \*0 dB = 1 volt per microbar

#### Polarity

Positive sound pressure on diaphragm produces positive voltage on tip with respect to sleeve (ground) of microphone output phone plug connector

#### Cable

6.1 m (20 ft) two conductor shielded with standard 1/4-inch phone plug attached (supplied wired for high-impedance, unbalanced connection)

#### Case

Green and chrome finished die casting

#### Dimensions

62.7 mm (2<sup>25</sup>/<sub>32</sub> in.) diameter, 82.6 mm (3<sup>1</sup>/<sub>4</sub> in.) long

#### Net Weight (with cable)

737 grams (26 oz)

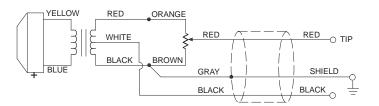
# Certification

Conforms to European Union directives, eligible to bear CE marking; meets European Union EMC Immunity Requirements (EN 50 082–1, 1992); RF radiated (IEC 801–3); ESD (IEC 801–2); EFT (IEC 801–4).

# CONNECTIONS

The RED lead is the high-impedance audio output; the SHIELD is the audio return and case ground.

The Model 520DX Green Bullet Microphone is supplied wired for high-impedance, unbalanced operation with the 1/4-inch phone plug (Figure 3).



INTERNAL CONNECTIONS: UNBALANCED HIGH-IMPEDANCE OUTPUT FIGURE 3