



ShinyBox

# 46U

Ribbon Microphone

## Overview

The 46U ribbon microphone is a high-quality, large geometry, bi-directional (figure of eight) microphone, capable of excellent reproduction of acoustic sources.

Fitted with a custom wound output transformer, the 46U has a full, deep sound, that presents a detailed, classic picture of the source being captured.

The 46U is built with quality and attention to detail, and will provide many years of service if well cared for properly. Please read through this document to familiarize yourself with the details of the microphone

## Wind

Although the microphone can be exposed to very high sound pressure levels, ribbon microphones are generally not tolerant of wind blasts or wind pressure. For this reason, if being exposed to sources that may move a lot of air, or provide short bursts of air movement, a pop filter is recommended.

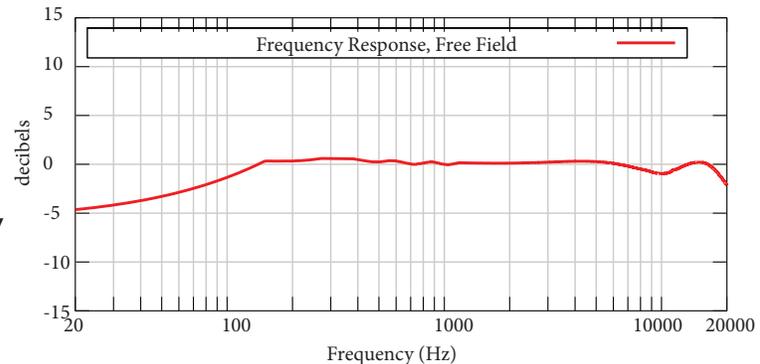
The rule of thumb is this: If you put your hand where you are considering placing the microphone and feel air moving, do not put the microphone in that position without addressing the wind issue (use a pop filter, angle the microphone slightly downward, or move the microphone out of the air path)

## Phantom Power (+48 Volts)

The 46U microphone is a passive microphone, and does not require the use of phantom power. Although the microphone is fitted with an output transformer which will generally block the ribbon from being damaged by phantom power, some caution is advised.

Do not turn phantom power on or off with the microphone connected. Plug in the microphone after you have made your phantom power selection.

## Frequency Response



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## Applications

The 46U is well suited for general purpose instrumentation, and will sound great on strings, horns, acoustic guitars, electric guitars, pianos, drum overheads, drum room and percussion. Depending on the vocalist, it can also be a very effective vocal microphone.

The microphone can be used on close sources as long as precautions for wind are addressed, and will respond to equalization very well.

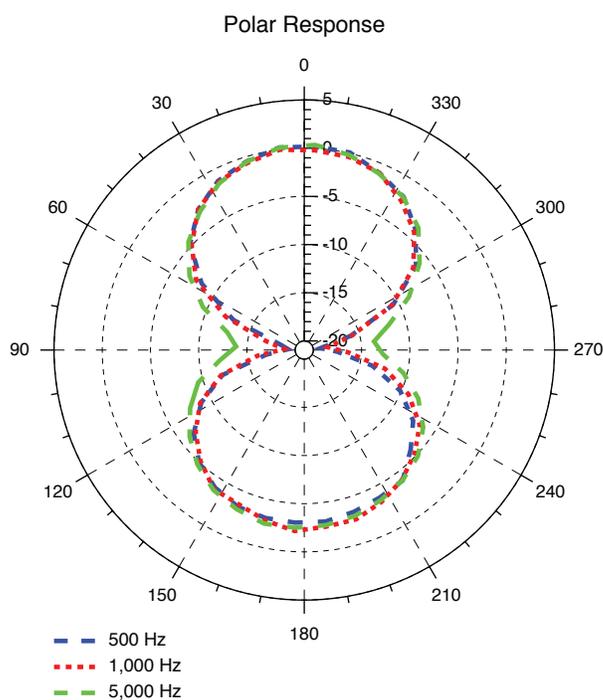
## Service and Maintenance

When not in use, it is best to store the microphone in the case in which it was shipped. You will notice that the microphone comes in a plastic bag inside the padded leatherette pouch. Hang on to this bag, and store the microphone in it when not in use. It provides an extra level of protection from wind blasts and accidental damage.

If you do have a problem with the microphone, please do not hesitate to contact us via the information at the bottom of this page. ShinyBox microphones are assembled in the USA, which includes the manufacture and install of the ribbon element itself. This means we can quickly identify and resolve any issues you may have with your microphone.

We provide reasonable service rates for all repairs, and are happy to evaluate your microphone for problems at no charge, as we want you to have great sounding ribbon microphones for years to come.

## Polar Response



## Specifications

Polar pattern	bi-directional (figure 8)
Ribbon	2.5 micron aluminum
Frequency Response	20–25,000 Hz (+/- 4dB)
Sensitivity (1K Hz)	2.7 mV/Pa (-51 dBv/Pa)
Nominal Impedance	305 Ω @ 1K Hz
Max SPL	> 140 dB
Dimensions	6.75" L x 2" D
Weight	1 lb 10 oz (755g)