

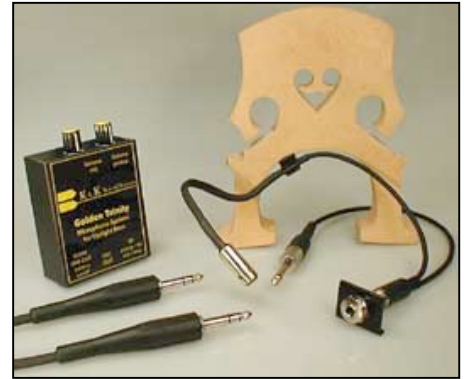


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GOLDEN TRINITY SYSTEMS

The following Golden Trinity Systems are available:

- Golden Trinity Bass Max System
- Golden Trinity Double Big Twin System
- Golden Trinity Upgrade System (pictured right, upgrade from an existing pickup)



Each of the above systems include the Golden Bullet URB Microphone, three conductor string-mounted jack, connecting cable, and the Golden Trinity Dual Channel Preamp, which powers the mic and provides complete EQ and volume for each channel.

The **Golden Bullet URB Microphone** is a condenser microphone chosen specifically for its performance with the double bass. We picked this mic in cooperation with one of the most renowned double bass specialists, Bob Gollihur, because it combines great sound with excellent feedback resistance. It is unidirectional to help avoid rumble and undesirable bleed from other instruments. Amazingly light and small, it is mounted on the bridge using a special Velcro self-adhesive fastener and positioned using its six-inch gooseneck.

The **Golden Trinity Dual Channel Preamp** is a compact, 10 oz preamp (dimensions: 3 x 3 1/2 x 1 3/8) that provides power to the microphone and gives you complete control over the volume and EQ for each channel.

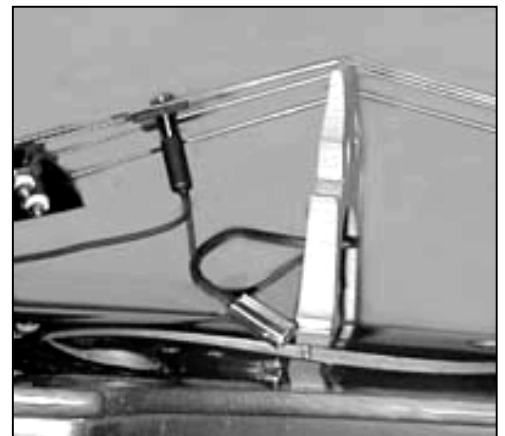
Pickup Installation

A separate instruction manual is enclosed for the systems with integrated pickup. Refer to it for the installation and operating instructions for that particular transducer system. If the manual is not included here, you can download it at kksound.com/manuals.html

Attaching the Microphone

The mic is supplied with a piece of dual-lock (similar to Velcro) for mounting on your bridge. Cut a piece from the supplied dual-lock (the same length as the folded piece attached to the mic gooseneck) and, leaving the adhesive backing piece in place, attach it to one side of the dual-lock on the mic.

Since each bridge is different, the best placement requires some experimenting. You may wish to place the adhesive piece on the inside or on the bottom of the leg of the bridge. Before you remove the protective strip, use both hands to temporarily hold it in place and adjust the mic gooseneck.



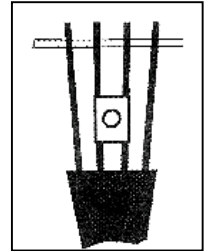
Once you have found the best location, remove the protective strip and press the adhesive against the bridge. The bridge surface should be clean and clear of any rosin for the best results. Our testing has shown that a good location for the mic is on the G-

string side of the bass, with the mic at an angle towards the F-hole, as shown in the photograph. Directly aiming at the sound hole is not recommended. Of course, the gooseneck allows you to try a wide range of positions.

Note: Tight bass cases may catch on or move the mic. If necessary, you may wish to place another piece of dual-lock elsewhere on your bridge to temporarily relocate the mic when you pack the bass.

Jack Installation

Put the mounting plate between any two pairs of strings as shown in the illustration. Make sure all cables are placed so they do not vibrate against the bass or each other.

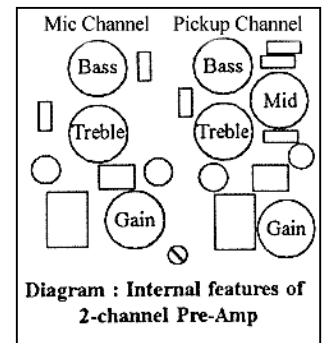


Connecting the System

A single wire leads from the microphone to a 3-conductor (TRS, Stereo) string-mounted jack. A 12-inch lead with a standard 1/4" phone plug comes from the jack and should be plugged into your pickup's output jack. The supplied 3-conductor stereo cable carries the separate mic and pickup signals to the preamp for mixing.

Setting up the Preamp

Remove the screw and lift the lid to install a 9-volt battery. There is a diagram of the controls inside the lid. The tiny trim pot controls can be adjusted using the small screwdriver conveniently supplied inside the preamp. The mic channel has internal bass and treble trimmers and the pickup channel has bass, mid, and treble trimmers.



Some set-up time and patient experimentation will give you the best results. We recommend that you either have someone else play your instrument, or position the speaker close to your ear for precise listening; it is virtually impossible to accurately set controls if you are hearing the acoustic sound from your bass.

The two gain trimmers are designed to let you equalize the volumes of both the mic and preamp, so the external volume controls positions give you the same amount of volume in the same positions. This preamp is very powerful; if you get distortion from overloading your amplifier's input, reduce the gain trimmer level.

Each channel has tone controls; they have a very wide +/-20db range. Use a light touch, because a tiny tweak can make a dramatic change. Make small adjustments as necessary. After you find the best settings, we recommend you leave the settings in place and make adjustments at your amplifier to compensate for new stage and room conditions.

The preamp has two output jacks. The MAIN output is a mix of both the mic and pickup channels. The MIC output carries only the mic signal.

Technical Data

Preamp: 3"x3.5"x1.25"

Pickup channel input impedance: 1 MegOhm

Output impedance: 10K ohms

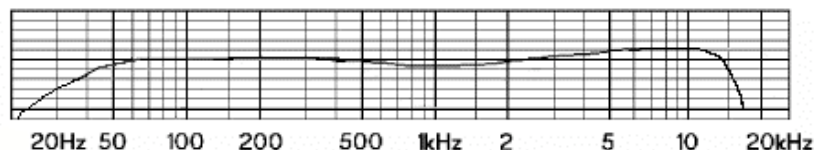
Input: Stereo 1/4" Outputs: 1/4"

Power: 9-volt battery

Supplied with stereo connecting cable



Unidirectional Polar Pattern



Frequency Diagram