Schatten Design
Better By Sound

Handmade Pickups For Acoustic Instruments

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# CH -1 Harp Pickup Installation Instructions

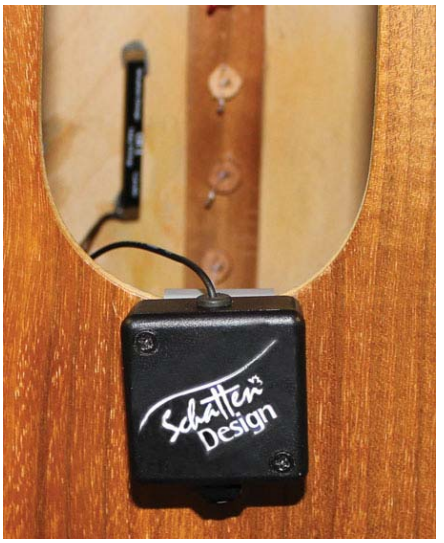
***Before You Start, A Word About Amplification:***

The CH-1 is a passive pickup and as such has a very high impedance of approximately 2 mega ohms. This pickup will generally work properly when plugged into any normal electric guitar amp but will not work properly plugged directly into a PA system and may not work properly plugged straight into some acoustic amps without using an acoustic preamp in between. For best results, and to allow the use of this pickup with all amps and PA systems, the use of a acoustic preamp, such as our Mini Pre, is suggested.

The design of the CH-1 allows the pickup to easily be moved from one harp to another without damage to the harp or the pickup. Please read these instructions through completely prior to installing this pickup in your harp.

## Pickup Attachment

The CH-1 sensor will adhere to the soundboard of the harp with the supplied special putty. Tear off two small pieces of the putty and roll each of them into a small ball about the size of a pea. Place them on the brass underside of the sensor as shown in the photo to the upper right




## Pickup Placement

Normal placement for the pickup sensor is approximately one-third of the way up from the lowest bass string anchor point. For example: on a 28 string harp, the lower end of the sensor would be just below the tenth string anchor point.

The sensor should be placed about three quarters of an inch to an inch away from the string strip and in line with it.

Press the sensor firmly into place against the soundboard. Due to the rubbery nature of the putty, it will normally be necessary to press the sensor down into place a few times over the first few minutes until it takes a set.

## Jack Assembly

Use the clip on the back of the jack assembly to clip and hold it securely at the edge of one of the sound ports.

To keep any excess wire between the sensor and the jack assembly from coming into contact with the soundboard or rattling against anything else, push the excess wire through the grommet of the jack assembly box and into the box itself.
The jack assembly box is capable of containing up to sixteen inches of lead wire from the sensor to the jack.

## Using A Mini Pre

When using our Mini Pre acoustic preamp with the CH-1 it is important to note that the Mini Pre has a trim pot on its' circuit board to set the input gain level. As supplied, the level is set to an average setting that works with most instruments.

If the input gain trim pot is set too high, then the sound of the instrument may be distorted though the amp or PA system. If distortion occurs, decrease the input gain by carefully turning the trim pot screw counter clockwise with a small jeweller's screw driver.