

produced by ACT are much closer to their real single coil equivalents than the smaller ones.

The intention of ACT is not, however, to produce authentic copies of any other pickup's tone. The intention is to produce tones that guitarists can and do use.

I certainly have rarely used the split tones of humbuckers but I do use the tapped tones of my own pickups. I hope, and I believe that other guitarists will do the same.

<u>Multimode</u>

Multimode humbuckers are simply humbuckers that have more than two switchable tones. Some of these may be "single coil" tones, others may be alternate humbucker tones.

This is achieved by extending the idea of ACT to be used for both live and earth connections.

The basic idea is very simple. If I want a modern high output humbucker, I might build it with 7,000 turns per spool. If I wanted a vintage humbucker, I might use 5,000 turns per side.



If I build a humbucker with 7,000 turns per side and coil taps 2,000 turns from each side, I get both.

If I also have a coil tap slightly offset from the middle, I can use either the modern or the vintage start point and end at the offset, I can produce two different "single coil" tones.

If I use one full coil and one short coil, I get a different sound again. This is the contoured humbucker sound. It has less mids than the modern sound but more output than the vintage sound.

Any number of designs are possible. I settled on a limited set based on the availability of switching.

Switching between two sounds is easy to achieve. many guitars can already do this. For guitars than cannot, it is easy to fit combined potentiometer/coil tap switches.

Switching three sounds can be achieved with toggle switches. Some guitars already have toggle switches, they are, in any case relatively easy to add, and they are widely available and cheap.

Beyond three sounds, the only sensible solution is the addition of rotary switches. The commonest rotary switches are 6 way switches. Many of the 5 way switches sold are actually 6 way switches with an adjustable stop set to 5.

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