

## Pro93/Pro95 Earphone Jack Volume Mod

This is an earphone jack modification for the Pro93/Pro95 which allows full volume to be selected at the jack, or reduced volume for normal earphone use, without actually modifying the scanner or opening the case.

WARNING: Full volume, if used with earphones, could blow out a perfectly good eardrum, and inner-ear parts replacements are quite expensive. NEVER USE THE SHORTING LOOP WITH EARPHONES!!!

Inside the scanner, there is a resistor in the ground wire to the earphone jack which prevents full volume reaching the earphones, for safety. Shorting the jack outer barrel to ground restores the full volume, but only for use with external speakers. The base of the antenna mount is a good device ground. The picture illustrates a loop of wire which can be pushed forward over the hole when inserting a speaker plug, and PUSHED BACK WHEN INSERTING AN EARPHONE JACK.

Simply wrap a thin unvarnished copper wire around the antenna mount base, and make a loop in the other end which can be pushed over the earphone jack. The loop should be a tight fit around the plug tip, for good contact with the chrome ring of the jack itself. I found solid, not braided, bare wire works best for me. Mine has been in daily use for months, and is holding up fine, without detracting from normal use of the scanner. The wire should be strong enough to not easily move over the jack by itself, although the danger of it contacting the actual jack during earphone use is virtually nil. This mod has no effect on the antenna at all, in use or pushed back out of service.

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PS: For those who would like to live dangerously (void the warranty, possibly render the radio ineligible for Radio Shack repair, assume the responsibility for damaging someone's hearing), here is a link to a picture of an internal, always-on volume mod: <http://www.pbase.com/image/7743428>