



10 Ω SNUBBER USAGE

RECOMMENDATIONS AND SAFE USAGE

Snubbers are used to better match the loudspeaker's load impedance to an amplifier's output impedance.

The Zu/Ohmite 10 ohm, 25 watt loudspeaker loading resistors (snubbers) feature pre-formed leads to easily connect up to your Zu loudspeakers—parallel between the red and black binding posts.

These snubbers should be used under the following conditions, and connected thus:

- Loading resistors (snubbers) are intended for home audio hi-fi use. They are designed to safely dissipate up to 25 watts of power into the resistor. In most cases using Zu 12 ohm speakers that means you can supply roughly 25 watts RMS of power from your amplifier into your loudspeaker with a 10 ohm snubber installed. This amount of power into Zu loudspeakers is nearly concert levels.
- Connect the snubbers in parallel with the red and black binding posts on your Zu 12 ohm or 16 ohm loudspeakers—one end of the resistor will go to the red post, the other end of the same resistor will go to the black post. (It makes no difference which end goes to which end.)



- **DANGER** If you are playing big music near concert levels for an extended amount of time know the resistor will get hot (and your ears might be getting damaged). For this reason you do not want anything touching the resistor, or to be able to touch the resistor.
- To prevent a hot resistor from charring the finish of the cabinet, bend the leads so as to space the resistor off the loudspeaker a half inch [13 mm] or more. Likewise, you don't want anything (cable, walls, plants, fingers...) closer than a half inch [13 mm] to the resistor.
- A hot resistor will cool in a minute or two when the levels are turned back down to or below normal volume levels.

Ten ohm snubber will get warm to the touch at normal listening levels and conditions. Normal levels and conditions are in-home use, at 70° F [21° C], listening at about 10 feet from the loudspeaker plane and getting a sound pressure level at or less than 75 dBC-slow at the listener position.



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