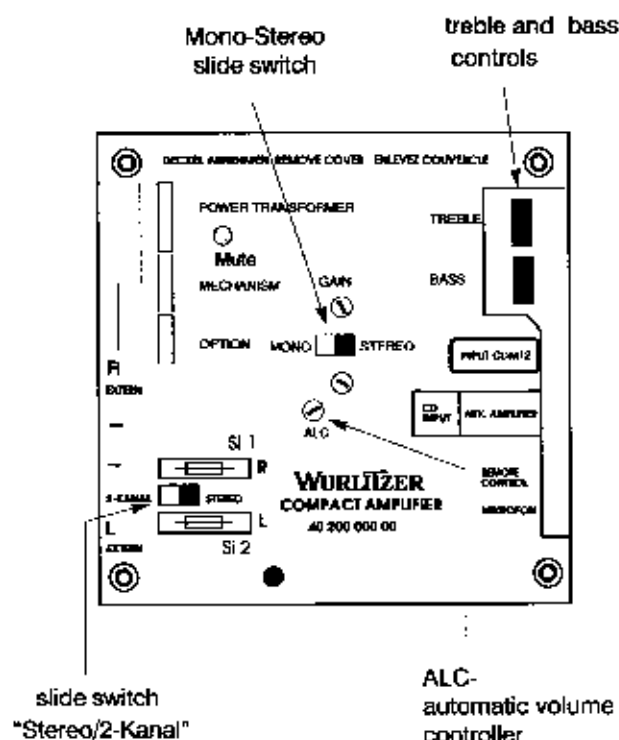


4.4. Treble and bass controls

The treble and the bass controls at the top RH-side of the amplifier may be set to any position to suit local acoustic requirements. The Mono-Stereo Switch may also be set to either position, however, it must be set to 'Stereo' if a stereophonic reproduction is desired.



4.5. Slide switch "Stereo/2-Kanal"

In common operating mode the slide switch "Stereo/2-Kanal" is in position "Stereo". In position "2-Kanal" the cabinet speakers of the jukebox are switched to the left amplifier channel. Both sockets for the external speakers are switched to the right amplifier channel.

If the slide switch of the volume control unit is switched to "2-Kanal" a separate control of both cabinet speakers and external speakers (e.g. in another room) is possible (left knob for inside, right one for outside).

The slide switch "Mono-Stereo" has to be set to mode "Mono".

4.6. Maximum amplifier load and external speakers of 184

The amplifier may not be loaded with more than 4 Ω per channel (less Ohms means more load!). If the amplifier is operating in 2-Channel mode, the speakers are all loaded to the left hand channel. The impedance of all external speakers per channel in "Stereo" mode should not be less than 8 Ω , because the cabinet speakers represent a load of already 8 Ω per channel.

If the amplifier is operating in 2-Channel mode, the speakers are all loaded to the left hand channel. The right channel (now switched to the sockets "R-Extern" and "L-Ex-

tern") now may be loaded with a minimum of 4 Ω .

The output to a 4 Ω load is 70 Watts sinus power at 1 % distortion, to 12 Ω it is about 24 Watts, to 24 Ω it is about 12 Watts. That means, that e.g., a 12 Ω speaker connected to the external channel at Dual Channel operation must be a type of at least 24 Watts, otherwise the speaker is in danger of destruction at higher volumes. Note that speaker groups like in hi-fi boxes may have, at certain frequencies, impedances much lower than their rating.

