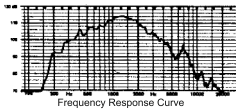
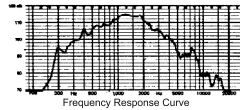


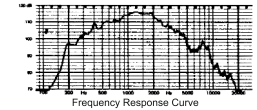
AU-35
35W/16Ω



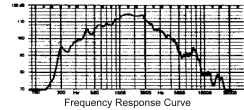
AU-40®
40W/16Ω



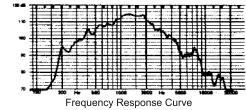
AU-60®
60W/16Ω



AU-40®XT
40W/100V

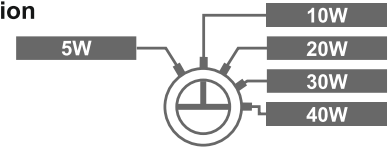


AU-50®XT
50W/100V

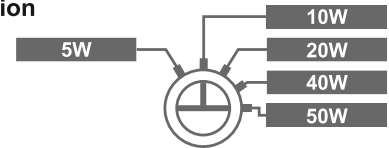


- AHUJA driver units are weatherproof and of rugged construction to withstand vibrations and damage.
- The aluminium die cast acoustic head acts as a heat sink for dissipating heat produced by the voice coil, contributing to long and trouble free services.
- The high SPL achieved produces a clear, crisp and intelligible sound of high level, thus consuming less power from the amplifier.
- The voice coils used are precision wound on an aluminium bobbin for good heat dissipation.
- AU-40®XT and AU-50XT have a built-in 100V transformer with easily selectable power taps/impedance by changing the position of the rotary switch at the rear.
- AU-35, AU-40® and AU-60® have 16Ω impedance.
- **IP-66** : Degree of protection, provided when mounted on a reflex horn, against foreign particles such as dust and jets of water thus making them ideal for outdoor use. Meets EN 60529.

Power Tap Selection AU-40®XT



Power Tap Selection AU-50®XT



Key to symbols used

| | | | |
|--|--------------------|--|------------------|
| | Weatherproof | | Low Impedance |
| | IP rating EN 60529 | | Double Insulated |
| | 100V line | | |

Specifications

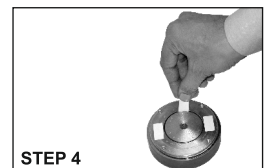
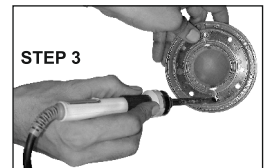
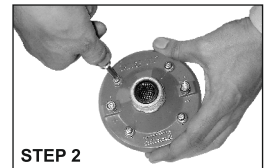
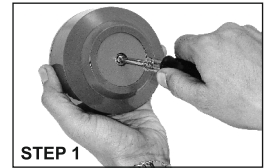
| Model | AU-35 | AU-40® | AU-60® | AU-40®XT | AU-50XT |
|---------------------------|---|---------------------------------|-------------------------------|---|---|
| Input Power | 35W RMS/53W Max. | 40W RMS/60W Max. | 60W RMS/90W Max. | 40W RMS/60W Max. | 50W RMS/70W Max. |
| Impedance/ | 16Ω | 16Ω | 16Ω | On 100V Line | On 100V Line |
| Power Taps | — | — | — | 250Ω/40W, 330Ω/30W, 500Ω/20W, 1kΩ/10W, 2kΩ/5W | 200Ω/50W, 250Ω/40W, 500Ω/20W, 1kΩ/10W, 2kΩ/5W |
| Frequency Response | 160-7000Hz | 160-7000Hz | 160-7000Hz | 160-7000Hz | 160-7000Hz |
| SPL at 1kHz | 112dB/1W/1m 127dB/35W/1m | 112.5dB/1W/1m 128.5dB/40W/1m | 113.5dB/1W/1m 132dB/60W/1m | 112.5dB/1W/1m 128.5dB/40W/1m | 113dB/1W/1m 130dB/50W/1m |
| Temperature Range | -30° to +70°C | | | | |
| Throat Coupling | 1-3/8" - 18TPI, Throat Couple No. 1 | | | | |
| Dimensions | ø113 × H89 mm | ø113 × H98 mm | ø125 × H100 mm | ø150 × H137 mm | ø150 × H143 mm |
| Weight (approx.) | 1.48 kg | 1.72 kg | 2.05 kg | 2.24 kg | 2.47 kg |
| Material | Die-cast Aluminium Acoustic Head (Flange) | | | | |

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To Replace A Defective Diaphragm In Driver Units Follow The Steps Given Below:

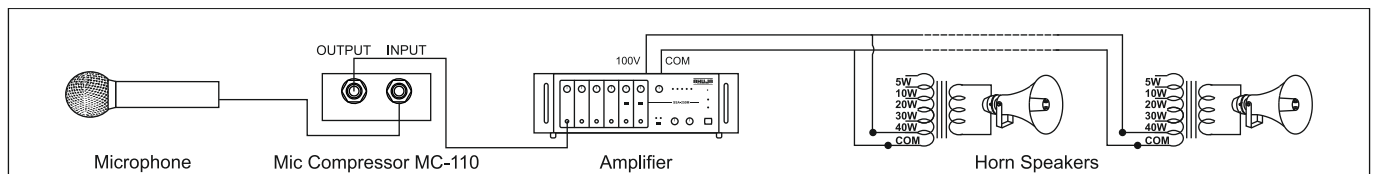
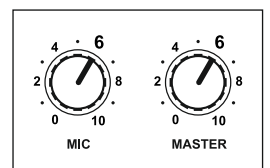
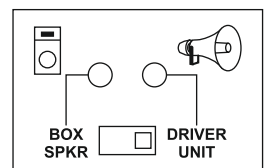
- STEP 1:** Open the central screw at the back of the DRIVER UNIT* to remove the bottom cover.
- STEP 2:** Open the four cross-head screws on the acoustic head to release head from magnet assembly.
- STEP 3:** De solder and replace the defective diaphragm with the new one. Solder the new diaphragm taking care that L1 Mark on the diaphragm matches with L1 mark on the head. When using diaphragms with **orange centering washer**, no rubber washer is required between diaphragm and magnet assembly. **If there is a rubber washer in the driver unit, it should be removed and discarded when using this diaphragm.**
- STEP 4:** Clean the air gap in the magnet assembly with a strip of adhesive tape (with adhesive side exposed on both sides)
- STEP 5:** Reassemble the head on the magnet assembly ensuring that the diaphragm goes smoothly into the air gap without the edges of the former getting spoiled in any way.
- STEP 6:** Tighten the four screws on the head and re fix the Bottom Cover with rubber ring and tighten the central screw.
- STEP 7:** Check with a multi-meter the continuity between L1 & L2 terminals; also that L1 or L2 terminals are not shorting with the body.
- STEP 8:** Test the Driver Unit by first playing music at very low volume.

* In AU-40®XT and AU-50XT open the four outer screw on the head, to remove the bottom cover.



Tips For Driver Unit Protection

- Always keep 'Driver Unit / Box Speaker' SWITCH provided in the Amplifier at 'Driver Unit' POSITION. This switch has been provided in high power Ahuja amplifiers.
- Always keep 'MICROPHONE' Volume CONTROL and 'MASTER' Volume CONTROL in Amplifier at POSITION '6' or below
- **DO NOT** exceed 90% of the amplifier's output power when using 100V line (speech only).
- **DO NOT** exceed 70% of the amplifier's output power when using 100V line (high level music or voice).
- For 'HIGH SPEECH' INPUT into Microphone such as in 'PRAYER CALL' application (like Azaan), connect the Microphone to the Amplifier through MICROPHONE COMPRESSOR model MC-110.



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