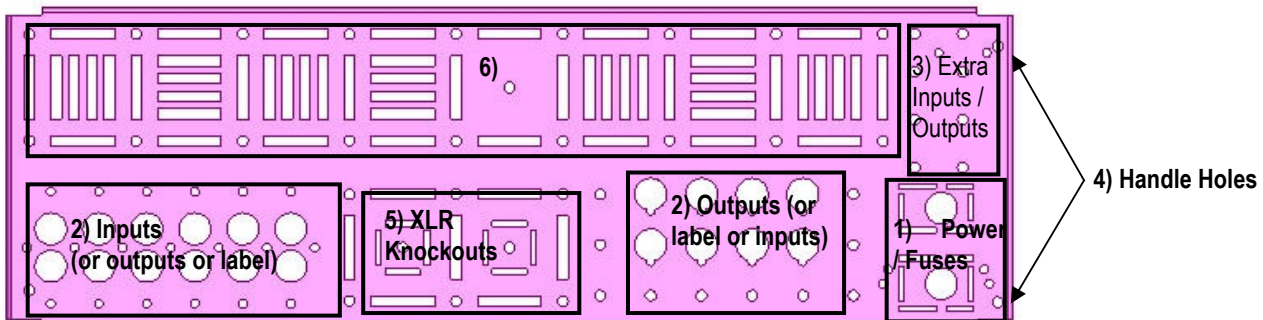


## ezChassis™ Features;

- ezChassis is designed to minimise the amount of metal working you need to do to build an amplifier. Many features are provided to help this. (See *Why all the Holes?* below)
- ezChassis is designed to work for valve or transistor amps. There are features that help you with either.
- It is modular, based on a 60mm (2"3/8) high module so there are 60, 120 and 180mm cabinets. These heights were chosen to be useful to audio enthusiasts. (How many amplifiers fit in a 44mm '1U' case ?)
- Being modular the panels of different heights can be mixed together, as in the case of the valve power amp with transformer cover which is 60mm at the front but uses a 180mm panel at the back + transformer cover.
- All panels can be used either way up which give choices on how you configure your amplifier.
- ezChassis is designed so that you can take off panels to get at components or to remove sub assemblies. This helps enormously with future upgrading/servicing of your amplifier.
- Designed to minimise the visibility of screw heads through the use of floating panels (& coloured screws).
- Supplied with screws, feet, labels, front panel mounting bolts etc.
- Pre punched holes for valve bases (difficult for many amplifier builders) and inputs /outputs.
- Provided with brass drilling guides for centring front (cosmetic) panel holes.
- Many matching accessories available; handles (6 shapes & colours), heatsinks, decorative panels
- Optional non-magnetic stainless-steel or plywood side panels.

**Why all the holes?** There is a reason for every hole and that's usually something to help you in the job of building an amp (This isn't the cheapest chassis on the block but it's probably the most complete).



A) Holes in Back panel; There are six groupings of holes in the back panels.

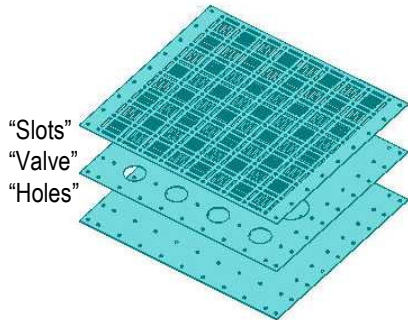
1. The holes for power entry / fuse are clear but they do allow four different types of IEC power entry (which we also sell) or 'standard' fuses and cable grips.
2. The next two groupings of holes are for inputs and speaker terminals. This works even if you're 'only' building a preamp (so don't want speaker terminals) or vice versa. Each ezChassis is provided with a comprehensive set of labels. These allow you to label the inputs/outputs (& front panel) but also includes a carefully sized 'makers plate' and electrical warning label that enables you to block off the holes you are not using. Have a look on my website at examples of this; "ezChassis FAQ" page, "Back panel options". There are also a number of tiny holes but at the correct pitching that can be drilled out if you need more inputs or outputs. The speaker terminal holes have an extra 'lug' punched to orient some terminals (like WBT).
3. These small holes may be drilled out for extra inputs or outputs, particularly if using a rear mounted heatsink that covers the other holes.
4. There are holes for mounting rear handles (useful for moving heavy amps & protecting terminals)
5. Knockouts for XLR sockets (check availability on your chassis model, updating with new stock)
6. The final grouping of holes and slots is;
  - To assist people in mounting components like transformers on the inside of the back panel.
  - To allow access to a rear mounted heatsink (you only have to 'join the dots' with a hacksaw to get a nice rectangular hole)
  - For ventilation (Most purist audio gear is hot! and letting air out helps prolong the life of those very expensive components we all love to use. In general it is better to let air out the sides than the top as the latter allows dust and coffee in. I also offer perforated top panels (which leads me to..)

**B) Holes in Top/Bottom Panels;** The 'top' and 'bottom' panels are interchangeable

There are four choices; (They the same regardless of height of chassis and you can buy any combination).

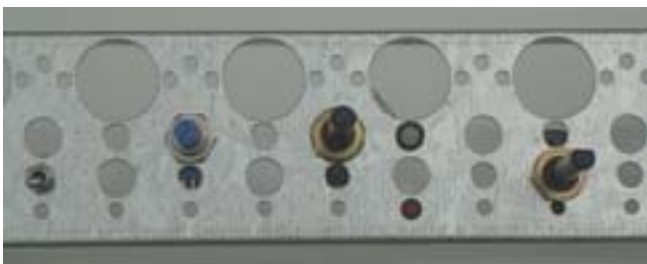
1. "Holes" a mostly blank panel with a grid of holes to attach to the other panels, (5mm holes at 40mm centres), this is partly decorative but can also be used to mount components on or can be enlarged for valve mounting (which line up with the valve mounting panel, see below)
2. "Valve Top Panel" is the same as 1) but has four holes enlarged to 35mm and four enlarged to 55mm to provide clearance for valves mounted on the valve mounting panel below. Amplifier builders can use any 'extra' holes (of for example, they are only using three driver valves) to mount power supply capacitors, meters or other components. Custom variants of this panel are available by negotiation.
3. "Slots" is a well ventilated panel.
4. "Blank" only has four mounting holes (also available in clear acrylic)

We also sell two sizes of handle that pick up on the 40mm hole pitch(160mm and 320mm) and may be used as top lifting or guarding handles. (Laser cut, valve guards are also available in a couple of sizes).



**C) Holes & Slots in Side Panels;**

- These allow the front/back/valve panels to be infinitely adjusted up/down and in/out. This is particularly useful in getting the front knobs in the right place or the valve mounting panel to be mounted with the valve base nicely level with the top panel.
- Provide easy access to side mounted heatsinks (just join the dots with a hacksaw as noted above).
- Provide ventilation (as noted earlier)
- Mount components like transformers on these slots/holes, aiding access for future changes.



**D) Holes in Front / Valve Panel;** (Photos above) These panels are multi purpose;

- 1) They act as front structural panels for mounting switches or potentiometers. For this purpose there are several rows of usefully sized holes (look on the website at Front Panel Instructions). This panel can be adjusted back behind the front (Cosmetic) panel so that you don't have ugly nuts showing round your switches etc. (Spacers are provided). Holes are provided for mounting the front cosmetic panel and handles.
- 2) As a valve mounting panel. (Only 60mm and 120mm sizes) It provides holes for mounting B9A and Octal bases for valve pre and power amps. It may be mounted horizontally or vertically anywhere in the chassis (remember those slots in the sides?). UX4 bases can be accommodated by drilling suitable mounting holes.
- 3) Of course it can also be used in transistor amps for mounting boards / transformers etc to if you want to be able to take off the top and bottom panels.

Please contact us if you need further clarification or help in deciding what you need.