SPECIFICATIONS

Input Sensitivity (RCA): 1V
Input Sensitivity (XLR): 2.2V
Output @ 1kHz into 8 ohms: > 153 Watts RMS
Output @ 1kHz into 4 ohms: > 256 Watts RMS
Bridged Output @ 1 kHz into 8 ohms: > 409 Watts RMS
Frequency Response @ 3V a/p: < 0.05% THD
Distortion @ 15V a/p, 1kHz: < 0.1% THD
Distortion @ 15V a/p, 10kHz: Typically 70 microV
Residual Noise: 8k ohms unbalanced, 25k ohms balanced
Input Impedence: 464mm x 140mm x 400mm
Dimensions (W x H x D):
Weight, Gross: 21kg

Values for external fuse (Never replace with a different value!)

UK / Europe / Australasia: 230V, 6A†
US / Asia: 115V, 8A†

†In the unlikely event that we should discover something that will improve one of our products, we reserve the right to change specifications without prior notice.
POSITIONING
The FORSEIT Power amplifier is a class A/B device, and as such does not dissipate much heat. However, it does require adequate ventilation and should not be kept in an enclosed space. It should be placed on a flat, hard surface, with at least 3-4cm space above and to either side. If you are building two FORSEIT Power amplifiers do not stack them.

MAINS POWER CONNECTION
The FORSEIT Power is connected to the mains with the supplied IEC mains lead.
UK, EUROPE and HONG KONG ONLY. In this version the supplied mains lead is fitted with a three pin mains plug.
If you should need to change the plug, use a 13amp plug fused for 13amps and follow these instructions: BROWN = Live (L); fix to the terminal marked ‘L’ or coloured RED. BLUE = Neutral (N); fix to the terminal marked ‘N’ or coloured BLACK. GREEN/YELLOW = Earth (E); fix to the terminal marked ‘E’ or coloured GREEN.
It has an external replaceable fuse next to the power input; see Specifications at the back of this manual for fuse values.
The ON/OFF switch is situated on the front of the unit. When switched ON the blue LED will light on the fascia of the FORSEIT Power.
Although the FORSEIT Power amplifiers have protection relays, it is good practice to always switch the Pre-amplifier on before the Power amplifier(s), and to switch the Power amp(s) off before the Pre-amp.

Be sure that your amplifier is switched off and unplugged before connecting/disconnecting any leads.

PRE-AMP CONNECTION
Please note that we do not supply interconnect leads as most people like to choose their own. Unbalanced (RCA) leads should not be more than 3 metres long and shielded, and balanced (XLR) leads can be any length.
If you are in any doubt about which leads to use, please consult your dealer.

Normal Stereo Configuration (One FORSEIT Power amp):
The FORSEIT Power amplifier can be used in stereo mode with any model of pre-amp, although we would recommend the FORSEIT APD21 Pre-amp for optimum performance.
If using a pre-amp, connect the PRE INPUT UNBALANCED terminals on the FORSEIT Power with RCA cables. See Figure 1.
If using the wonderful FORSEIT Pre-amp, connect the PRE OUTPUT BALANCED terminal on the pre-amp to the PRE INPUT BALANCED input terminals on the FORSEIT Power with balanced XLR cables. See Figure 2.
Bridged Stereo Configuration (Two FORSEIT Power Amps):
FORSEIT Power amplifiers can only be used in bridged mode with the FORSEIT APD21 Pre-amp.
To take advantage of this facility, you will need to have special Y-shape balanced cables made by your dealer.
Left Channel:
Connect the LEFT PRE BALANCED OUTPUT terminal of the FORSEIT Pre Amp to both the Left and Right PRE BALANCED INPUT terminals of FORSEIT Power Amp 1.
Right Channel:
Connect the RIGHT PRE BALANCED OUTPUT terminal of the FORSEIT Pre Amp to both the Left and Right PRE BALANCED INPUT terminals of FORSEIT Power Amp 2. See Figure 3.

LOUDSPEAKER MATCHING
The most common misunderstanding in matching amplifiers with loudspeakers is with power handling.
When amplifiers are given a power rating, this refers to the maximum output. The maximum usable output will usually be reached at about 1 - 2 o'clock on the volume control, leaving enough reserve power to deal with transients and crescendos. If an amplifier is driven beyond this limit it will clip (literally clipping the wave form), resulting in a distorted signal. It is this distortion that usually blows up loudspeakers, and not power. If you are in any doubt as to the suitability of your amplifier to drive your loudspeakers, please consult your dealer.

NOTE: In bridged configuration the FORSEIT Power amplifiers can deliver up to three times the rated power of one amp.

LOUDSPEAKER CONNECTIONS
Please note that, in line with new IEC regulations, we have provided touch-proof loudspeaker terminals. The terminals will accept bare wires or Banana plugs by unscrewing the outer casing (make sure that when connecting bare wires the positive and negative wires do not touch, or your amplifier and/or loudspeakers could be damaged), inserting the wire or plug and tightening the casing.
Always ensure that correct polarity is maintained: i.e. that the positive output from the amplifier is connected to the positive input on the loudspeaker. Incorrect polarity will make the system out of phase, resulting in poor stereo imaging and lack of deep, coherent bass.
Normal Stereo Configuration:
Connect the top output terminals of the FORSEIT Power amp to the input terminals of your loudspeakers. See Figure 4.

Normal Bi-Wired Stereo Configuration:
Connect the top output terminals of the FORSEIT Power amp to the treble input terminals of your loudspeakers.
Connect the bottom output terminals of the FORSEIT Power amp to the bass input terminals of your loudspeakers. See Figure 5.
Bridged Configuration:
Connect the top positive + output of the Right Loudspeaker Output of FORSEIT Power Amp 1 to the positive input of the left loudspeaker.
Connect the top positive + output of the Left Loudspeaker Output of FORSEIT Power Amp 1 to the negative input of the left loudspeaker.
Connect the top positive + output of the Right Loudspeaker Output of FORSEIT Power Amp 2 to the positive input of the right loudspeaker.
Connect the top positive - output of the Left Loudspeaker Output of FORSEIT Power Amp 2 to the negative input of the right loudspeaker. See Figure 6.
Bridged Configuration, Bi-wired speakers:
Use the same configuration as for normal bridging, but connect the top positive terminals to the treble units and the bottom positive terminals to the bass units. See Figure 7.

GENERAL CARE
Cleaning your FORSEIT should be done with a clean, dry cloth. Do not use any solvent or silicone based cleaning solutions.
Remember to replace all your packaging in the box and reseal. Keep the box for future transportation of your FORSEIT.
Please note that, as with all hi-fi products, there are no user serviceable parts inside and you should refer any problems to your dealer. Removal of the chassis cover may void your guarantee.