

TA-4300F



High performance channel dividing preamplifier

Features

■ Unsurpassed quality

24 Field Effect Transistors (FET's) exclusively engineered for high fidelity account for an extremely low distortion of 0.03% at 1V output and high S/N ratio of 85dB at 1V input.

■ Simple dividing of channels

The original frequency range can be divided into 2 or 3 parts with channel selector screw. With the TAD-43F (optional), 4-channel dividing for tweeter and super tweeter is also possible. With two TA-4300F's, the dividing range can be made into 5 parts.

■ Precise selection of crossover frequencies

You can simply obtain precise crossover frequencies best fit for the characteristics of your speakers with the crossover frequency selector. In 3 channel dividing, 6 steps between 150 - 1000 Hz for low/mid crossover frequency range and 6 steps between 1.5 - 8 kHz for mid/high crossover frequency range are available. In 2 channel dividing, 12 steps of crossover frequencies between 150 Hz - 8 kHz are also available with switching of the channel

selector screw.

Each crossover frequency consists of NF type filter with the slope of 18 dB/oct.

■ Advanced bass controls

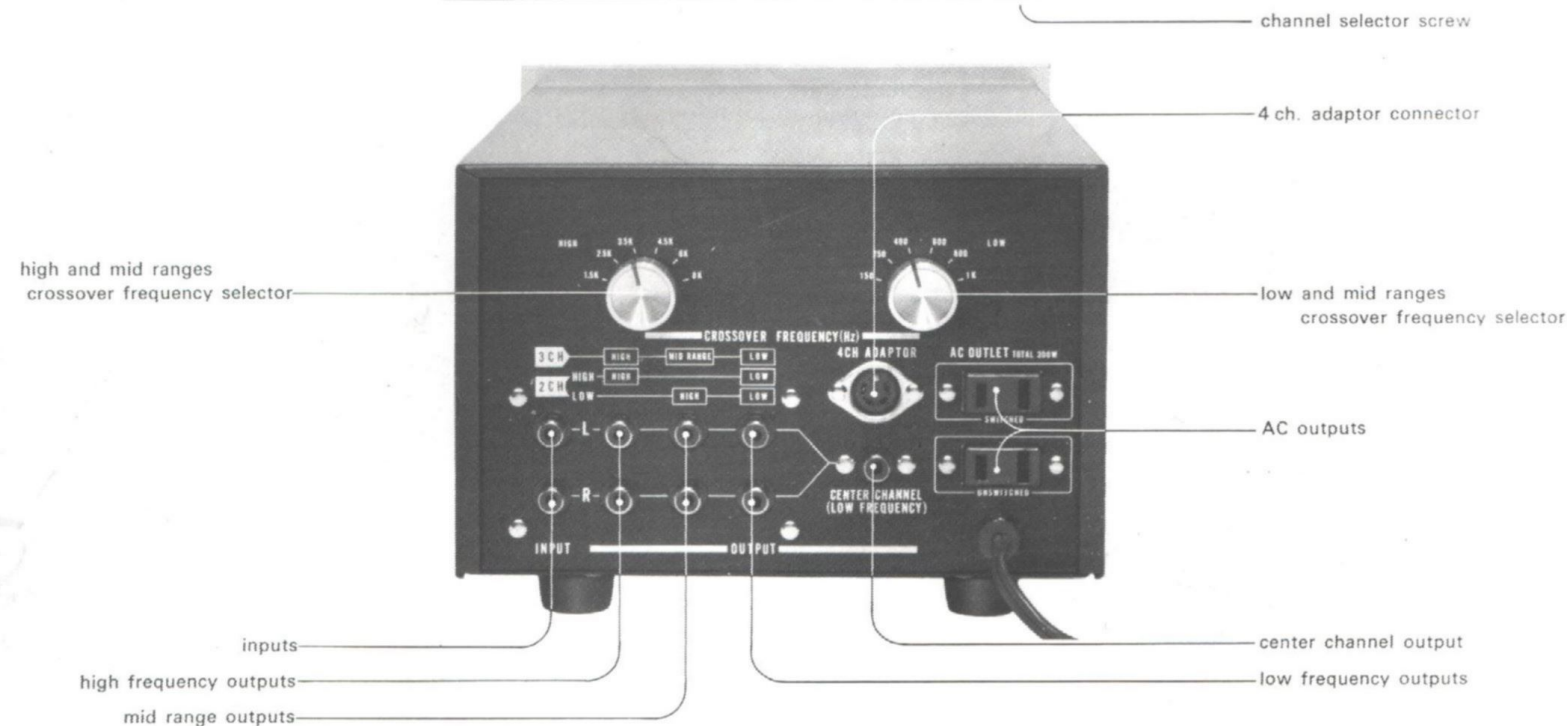
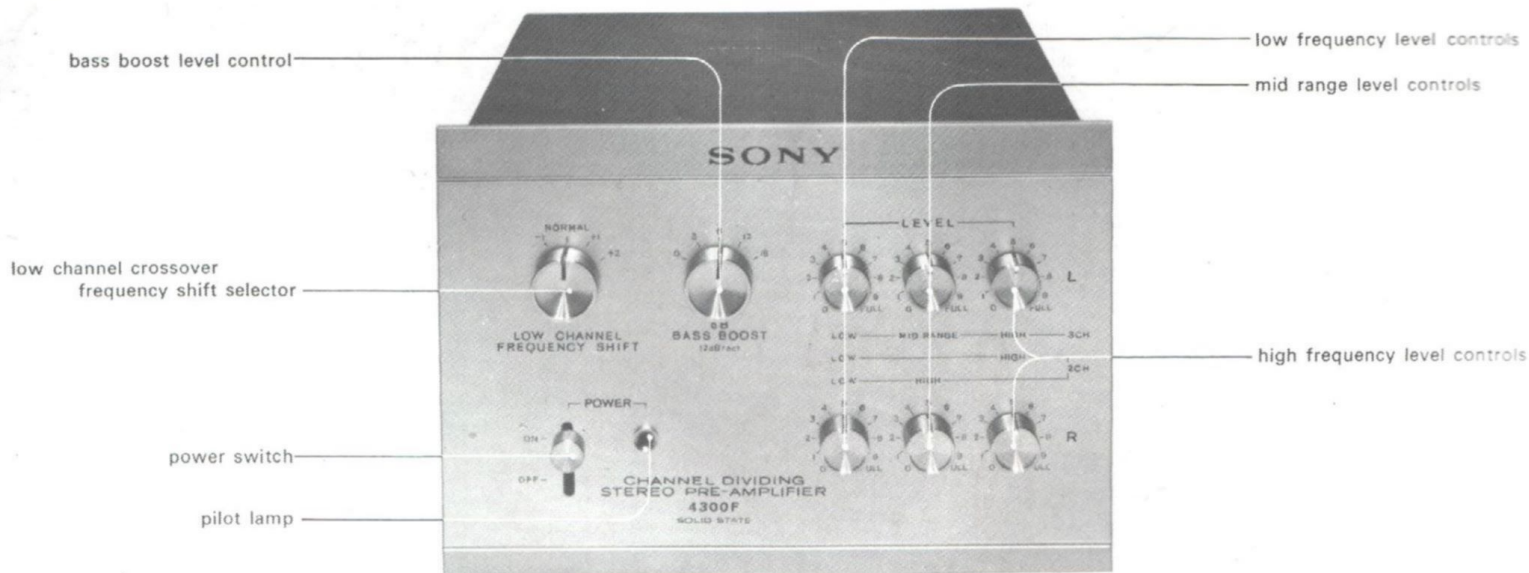
Low channel frequency shift switch changes the cut off frequency at low frequency range and compensates the characteristics of speakers. Bass boost level control is provided for bass boost at frequencies below 150Hz having the slope of 12dB/oct that boosts at 20Hz up to maximum 18dB.

■ Effective level controls

Equalizes the unbalanced efficiency of speakers to attain flat and smooth frequency response throughout.

Research Makes the Difference

SONY®



SPECIFICATIONS

System:	Negative feedback type filter
Gain:	+0 -1 dB
Crossover frequency:	Low, 150, 250, 400, 600, 800, 1000 Hz High, 1.5, 2.5, 3.5, 4.5, 6, 8 kHz
Output impedance:	Less than 5k ohms
Input impedance:	90k ohms
Distortion:	Less than 0.03% at 1V output, 0.1% at 4V output (within the passband) Less than 0.05% at 1V output, 0.1% at 2.5V output (at the crossover frequency)
S/N ratio:	Better than 85 dB at 1V input (short circuited)
Maximum input level:	4.5V (less than 0.1% distortion)
Frequency response:	10 Hz - 100 kHz +0 -1 dB
Semiconductors:	24 FET's +16 transistors, 3 diodes
Power requirements:	AC 100, 117, 220, 240V 50/60 Hz
Power consumption:	5W
Dimensions:	7 $\frac{1}{8}$ "(W)×5 $\frac{1}{2}$ "(H)×12 $\frac{1}{4}$ "(D) (200×149×316mm)
Weight:	8 lb 6 oz (3.8 kg)
Supplied accessories:	Connecting cord RK-74 Polishing cloth
Optional accessories:	4-channel adaptor TAD-43F

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