



TH due

1500 W Power Amplifier



| POWER SUPPLY | |
|---|-------------------|
| Voltage: | 11 ÷ 15 VDC |
| Idling current (@ Dual Power Setting): | 2.0 ÷ 7.4 A |
| Idling current when off: | 0.04 mA |
| Consumption @ 14.4 VDC, 1 Ω, Max Musical Power: | 105 A |
| Remote In: | 7 ÷ 15 VDC (1 mA) |
| Remote Out : | 12 VDC (20 mA) |
| Fuse (AFS): | 100 A |

| AMPLIFIER STAGE | | |
|--|-------------------------------|--|
| Distortion - THD @ 1 kHz, 4 Ω; 90% Power: | 0.02 % | |
| Bandwidth @ -3 dB, 2 VRMS, 4 Ω: | 5 ÷ 70k Hz | |
| S/N ratio @ A weighted, 1 V, Max Power: | 106 dBA | |
| Damping factor @ 1 kHz, 2 VRMS, 4 Ω: | 100 | |
| Pre-In sensitivity (two ranges): | 0.3 ÷ 4.8 VRMS | |
| Pre-In impedance: | 15 kΩ | |
| Load impedance (Min @ Dual Power Mode - Hi-Current): | 2 Ch 1 Ω 1 Ch 2 Ω | |
| Output power (RMS) @ 14.4 VDC, 1% THD: | Dual Power Mode - Hi Current: | 2 Ch @ 4 Ω 300 W x 2 2 Ch @ 2 Ω 500 W x 2 2 Ch @ 1 Ω 750 W x 2 1 Ch @ 4 Ω 1000 W x 1 1 Ch @ 2 Ω 1500 W x 1 |
| | Dual Power Mode - A Class: | 2 Ch @ 4 Ω 80 W x 2 |

| CEA SPECIFICATIONS | |
|--------------------|--|
| | Output power @ 4Ω, 1% THD+N, 14.4 V: 300 W x 2 Ch |
| | SN ratio (ref. 1W output): 80 dBA |

1. Complementary differential circuitry with current mirror.
2. Cascode A Class driver with inverted complementary triplet power stages.
3. Integrated 24-bit / 192 kHz Hi-End DA converters.
4. Compatibility with Audison Full DA HD technology and Hi-Res audio files listening certification.
5. SPDIF and AD Link optical digital inputs that manage up to 8 digital channels on RJ-45 connector.
6. Dual Mono Construction featuring four power supplies in Synchro-PWM configuration.
7. Sensitivity control featuring 256 steps resistive switching for a resolution of 120 dB.
8. Energy Saving, Hi-Current, Hi-AB Class, A Class presets selectable in real time.
9. Digital control via integrated settings panel, DRC and PC Software.
10. High quality crossover module supplied.
11. Chassis extruded from solid aluminium and built using CNC machines.

ASC (Audison Status Controller) FUNCTIONS

AMP IDentifications, DUAL POWER settings, AD Link inputs, AC Link digital bus, DRC controls, ACNet software, Status Monitor, Protections

INPUTS / OUTPUTS / FILTERS

| | |
|----------|--|
| Inputs: | PRE - S/PDIF (Max 192 kHz / 24 bit) Optical and AD Link |
| Outputs: | PRE Bypass / AD Link |
| Filters: | Removable kit: (Hi-pass / Lo-pass / Bandpass 12/24dB) 32 steps 18 ÷ 7.5k Hz with 8 standard & 2 customizable modules |

SIZE / WEIGHT

| | |
|---------------------|----------------------------------|
| Max size (mm/inch): | 259 x 510 x 67 / 10.2 x 20 x 2.6 |
| Weight (kg/lb): | 10,3 kg / 22.71 |

All specifications subject to change without notice_19.B

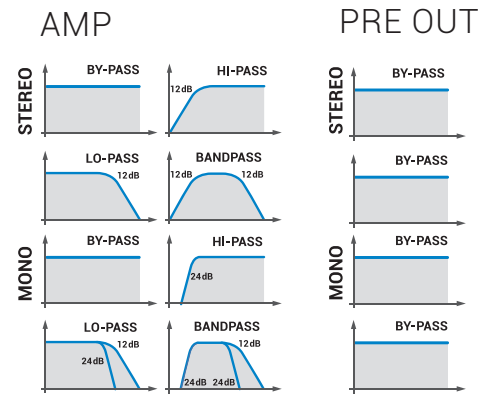
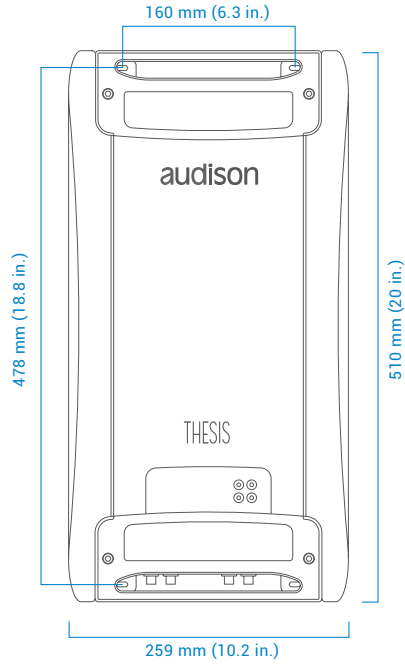


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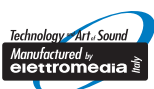
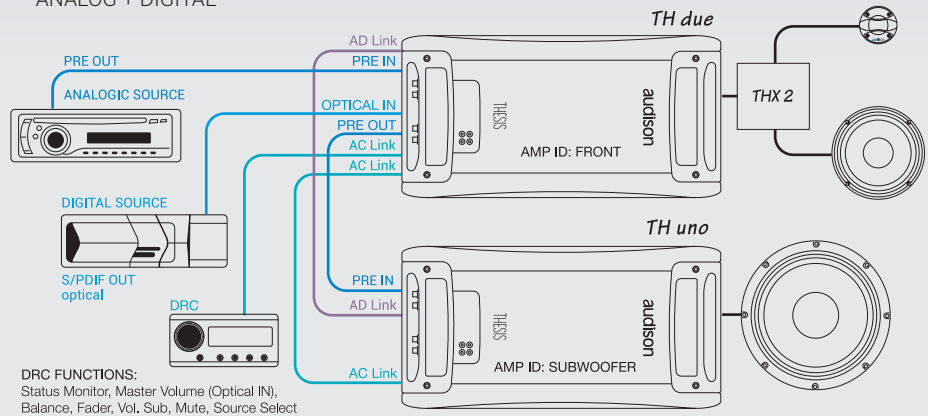
| CROSSOVER MODULES | |
|-------------------|--------------------|
| ITEM | VALUES |
| SS1: | 18-22-27-33 Hz |
| SW1: | 42-50-60-75 Hz |
| SW2: | 90-110-130-150 Hz |
| WM1: | 180-220-270-330 Hz |
| WM2: | 420-500-600-750 Hz |
| WT1: | 880-1k1-1k3-1k5 Hz |
| WT2: | 1k8-2k2-2k7-3k3 Hz |
| MT1: | 4k2-5k0-6k0-7k5 Hz |

| DUAL POWER SETTINGS | | | |
|---------------------|-----------|--------|----------|
| SET | BIAS | POWER | MIN LOAD |
| A Class | Very High | Normal | 4Ω |
| Hi-AB Class | High | High | 4-2Ω |
| Hi-Current | Standard | High | 4-2-1Ω |
| Energy Saving | Low | Normal | 4-2-1Ω |



SYSTEM DESIGN EXAMPLE

2 WAY FRONT + SUBWOOFER INPUTS ANALOG + DIGITAL



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