



dBTechnologies A4TI Professional 4 Channel Power Amplifier User Manual

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The warnings in this manual must be observed together with the “USER MANUAL – Section 2”.

Thank you for choosing a dBTechnologies Product!

A4TI is a powerful 4 channel class D amplifier (PFC and SMPS power supply) with 4- poles speakON outputs. The user can choose between BRIDGE, PARALLEL, or STEREO MODE. A LINK MODE selector increase the versatility of the use.

The balanced inputs, with sensitivity selector, can be linked to create a more complex amplifiers network. It can cover a wide range of applications, expecially in fixed installations.

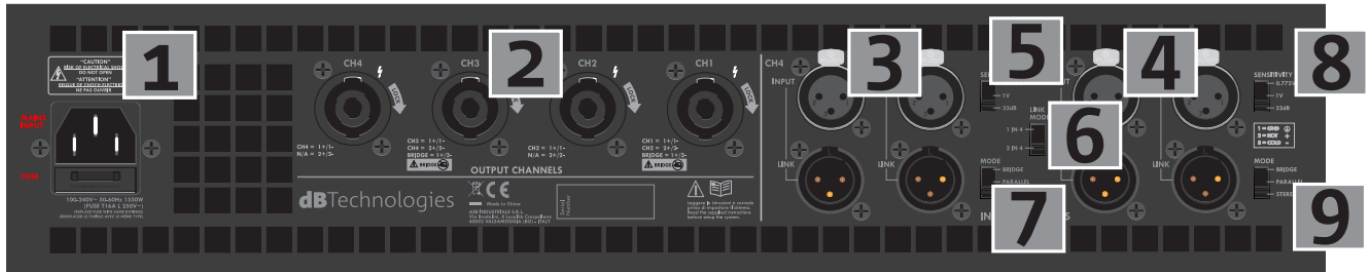
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PACKING CONTENT

- A4TI amplifier
- mains cable (VDE connector)
- this quickstart and warranty documentation

REAR PANEL



1. VDE connector with fuse
2. CH1, CH2, CH3, CH4 4-poles speakON outputs
3. Balanced CH3 and CH4 inputs (XLR connector) with Link outputs
4. Balanced CH3 and CH4 inputs (XLR connector) with Link outputs
5. Sensitivity selector for CH3-CH4 inputs
6. LINK MODE selector
7. CH3-CH4 MODE selector
8. Sensitivity selector for CH1-CH2 inputs
9. CH1-CH2 MODE selector



Attention!

Touching uninsulated OUTPUT CHANNELS or bare wiring may result in an unpleasant sensation.

Don't touch uninsulated OUTPUT CHANNELS or bare wiring when power on.

FRONT PANEL

10. CH1, CH2, CH3, CH4 level knobs
11. CH1, CH2, CH3, CH4 meters
12. Power switch
















- Lights at the action of all the protection circuits
- Lights when compression/limiter is protecting the amplifier
- Lights when the output signal is around -5 dB than full power.
- Lights when the output signal is around -10 dB than full power.
- Lights when the output signal is around -20 dB than full power.
- Lights at the presence of input audio signal
- Lights when the amplifier turn on

INPUT SENSITIVITY / OUTPUT MODE / LINK MODE

SENSITIVITY



| MODE | INPUT | OUTPUT |
|--|--|---|
| LOCK MODE 100-4 100-4 |  CLK |  High Speed |
| CH1-2 CH3-4  | CH1 CH2 CH3 CH4 | CH1 CH2 CH3 CH4 |
| CH1-2 CH3-4  | CH1 CH2 CH3 CH4 | CH1 CH2 CH3 CH4 |
| CH1-2 CH3-4  | CH1 CH2 CH3 CH4 | CH1 CH2 CH3 CH4 |
| CH1-2 CH3-4  | CH1 CH2 CH3 CH4 | CH1 CH2 CH3 CH4 |
| CH1-2 CH3-4  | CH1 CH2 CH3 CH4 | CH1 CH2 CH3 CH4 |
| CH1-2 CH3-4  | CH1 CH2 CH3 CH4 | CH1 CH2 CH3 CH4 |
| CH1-2 CH3-4  | CH1 CH2 CH3 CH4 | CH1 CH2 CH3 CH4 |
| CH1-2 CH3-4  | CH1 CH2 CH3 CH4 | CH1 CH2 CH3 CH4 |
| CH1-2 CH3-4  | CH1 CH2 CH3 CH4 | CH1 CH2 CH3 CH4 |

| MODE | INPUT | OUTPUT |
|--|---|---|
| LAMP MODE  |  LAMP |  LAMP Operation |
| MODE  | CH1 CH2 CH3 CH4 | CH1 CH2 CH3 CH4 |
| MODE  | CH1 CH2 CH3 CH4 | CH1 CH2 CH3 CH4 |
| MODE  | CH1 CH2 CH3 CH4 | CH1 CH2 CH3 CH4 |

- brigde
- parallel
- stereo

FIRST TURN ON

- Connect the passive loudspeakers, using cables with speakON connectors (2 outputs), depending on impedance, max rated power, amplifier mode, link mode. Select the amplifier MODE (7, 9) and LINK MODE (6).
- Connect the inputs, using balanced cables with XLR connectors (6-7 outputs). Select the inputs sensitivity.
- If needed, link the input LINK connector, to relaunch the signal to a second amplifier.
- Set the level knobs (10) to the minimum level.

- Connect the mains cable (socket 1), turn on the amplifier (12).
- Adjust the gain controls (8, 9), while the audio signal comes from your source.

MAIN TECH SPECS

| Type: | Class D amplifier |
|--------------------------|--------------------------|
| Output Power: | |
| 8 Ω stereo* | 500 W x 4 |
| 4 Ω stereo** | 750 W x 4 |
| 8 Ω bridge** | 1500 W x 2 |
| Frequency response: | 20 Hz – 20 kHz (+0/-1dB) |
| Input sensitivity: | 0.775 V / 1 V / 32 dB |
| Product dimensions (mm): | 483(w) x 435(d) x 89(h) |
| Weight: | 11 kg |

- The power is tested under the condition of 40ms burst, 1kHz sine wave and 1% THD.
- The power is tested under the condition of 20ms burst, 1kHz sine wave and 1% THD.



Scan with your QR reader App to download the complete user manual.



This product is suitable for usage up to an altitude of 2000 m.

Check the complete user manual on www.dbtechnologies.com for further information about the system and available accessories.

Features, specification and appearance of products are subject to change without notice. dB Technologies reserves the right to make changes or improvements in design or manufacturing without assuming any obligation to change or improve products previously manufactured.

420120319Q REV. 1.4

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Documents / Resources



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Channel Power Amplifier, Channel Power Amplifier, Power Amplifier