

CREATE
YOUR OWN
SOUND

A894DSP



A894DSP: 8.1-CH DSP AMPLIFIER – ALL IN TO WIN

The compact 8.1-channel SMART DSP amplifier A894DSP is the ideal upgrade for many ex-works sound systems.

Six high-level inputs and the optional plug & play cables enable connection not only to standard sound systems, but also to a wide range of semi and fully active car audio systems. The high practicality of the A894DSP is already evident in the input section: the input channels can be distributed, split or merged to the output channels with complete flexibility. As a highlight, the input equalizer can even be used to linearize the music signal if required.

BTL POWER

The extensive BTL modes (bridge mode) offer a flexible choice of output channels, e.g. 8.0, 6.1, 4.2 or even 4.1 with up to 400 W RMS @ 2 ohms for the subwoofer. The individualized signal is conveniently forwarded to a separate subwoofer or center amplifier via the dual mono RCA output or the optical output. All functions of the DSP settings can be controlled via a single AXTON smartphone app, which is available free of charge for iOS and Android.

TAKE CONTROL

The integrated digital sound processor enables extensive sound settings per channel, such as time alignment, freely configurable crossover filters (6/12/18/24 dB in the three selectable characteristics Butterworth, Bessel and Linkwitz-Riley), gain control and a 31-band parametric equalizer. Setups (channel routing and a preset of the crossover frequencies) for each of the optional vehicle-specific Plug & Play connection cables are also integrated into the app.

BLUETOOTH AND MORE

The integrated Bluetooth audio streaming interface makes it easy to stream your own music collection to the amp. The A894DSP also offers the option of playing Hi-Res Audio music data with the ABT50 streaming interface, which is available separately. Thanks to the optical inputs and outputs, several AXTON DSP amplifiers can be linked together without signal quality loss. A separately available A592DSP-RC remote control can be connected to the A894DSP.

HIGHLIGHTS A894DSP

- 8.1-channel Smart Class-D amplifier with iOS or Android app-controlled audio DSP functions
- 6-channel high-level input for easy connection to OE sound systems with amplifiers
- Free channel assignment: distribute, split or merge music signals
- DSP-controlled Dual-mono preamp output (5 volts) including remote output for controlling additional amplifiers
- 6-channel RCA input
- Optical and coaxial input for the high-res audio streaming interface ABT50 or another AXTON SMART DSP amplifier, optical output for linking the signal to another AXTON SMART DSP amplifier
- Bluetooth audio streaming with automatic source switching
- Plug & play installation with optional vehicle-specific connection cables
- Ready-made presets already included in the free app
- Auto-turn-on function via high-level input

DSP FEATURES

- Freely configurable active crossover: high/low/band/bypass with 6/12/18/24 dB/oct. slope
- Selectable filter characteristics: Butterworth, Bessel or Linkwitz-Riley
- Time alignment for each channel (0 – 550 cm / 0 – 15.8 ms)
- Gain, phase switch and Mute function for each channel
- Freely configurable 31-band parametric equalizer for each channel
- Freely configurable 9-band parametric input equalizer for each source
- Storage spaces for your own settings: 5 on the amp, unlimited on the smartphone
- Dynamic Bass and Dynamic Treble function
- Noise Gate function to reduce car stereo background noise

TECHNICAL DATA

| A894DSP | A894DSP |
|---|----------------------|
| RMS / Music output power @ 4 Ω | 8 x 60 W / 8 x 120 W |
| RMS / Music output power @ 2 Ω | 8 x 75 W / 8 x 150 W |
| RMS output power BLT4.2 mode CH 5+6 / CH7+8 @ 4 Ω | 2 x 230 W |
| RMS output power BLT4.1 mode CH 5+6+CH7+8 @ 4 Ω | 1 x 230 W |
| RMS output power BLT4.1 mode CH 5+6+CH7+8 @ 2 Ω | 1 x 400 W |
| Frequency response | 20 Hz ~ 20 kHz |
| Dimensions (L x W x H) | 238 x 180 x 50 mm |

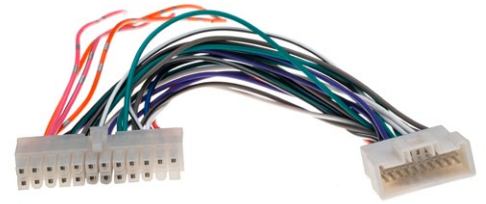
Mounting cables for A894DSP



ATS-ISO8084



ATS-ISO8BASIC



| ITEM NO. | AXTON SPECIFIC ACCESSORIES |
|----------------------|--|
| ATS-ISO8019 | DSP P&P cable for BMW Quadlock wiring harness with a length of 1.80 m from the radio to the A894DSP. Separate approx. 2.50 m long cables for front (CH1+CH2), subwoofer (CH3+CH4), and approx. 2 m long cable for the center (CH7) with matching connectors. |
| ATS-ISO8031 | DSP P&P cable for Mercedes C E Quadlock wiring harness with separate approx. 1.70 m long cables for both subwoofers (CH3+CH4) and center (CH7) with matching connectors. |
| ATS-ISO8068 | DSP P&P cable for BMW RAM as of 2019 Wiring harness for integrating into the RAM module with matching connectors. Length of the wiring harness approx. 0.90 m. |
| ATS-ISO8072 | DSP P&P cable for Mercedes MBUX wiring harness with separate approx. 2.30 m long cable (CH6) with matching connector for the second subwoofer. |
| ATS-ISO8084 | DSP P&P cable for Mercedes partially active MBUX wiring harness with separate 2 m long cables for both subwoofers (CH5+CH6) and center (CH7) with matching connectors. |
| ATS-ISO8BASIC | A894DSP cable 4-channel input output With the ATS-ISO8BASIC adapter, the A894DSP can be conveniently connected to vehicles with standard sound systems. The remaining channels can be used for separate subwoofers. |
| ATS-ISO8EXT | A894DSP extension cable, 1.5 m Extension cable 1.5 m. |
| ATS-ISO8V20 | A894DSP voltage divider 20 V Adapter to reduce the output voltage of the OE radio or amplifier to match to the input voltage of the A894DSP. Suitable for an output voltage up to 20 V. |
| ATS-ISO8V30 | A894DSP voltage divider 30 V Adapter to reduce the output voltage of the OE radio or amplifier to match to the input voltage of the A894DSP. Suitable for an output voltage up to 30 V. |
| ATS-ISO8V40 | A894DSP voltage divider 40 V Adapter to reduce the output voltage of the OE radio or amplifier to match to the input voltage of the A894DSP. Suitable for an output voltage up to 40 V. |