

MATCH PP 86DSP

The powerhouse within the MATCH series for individual system concepts – not less than eight amplifier channels and even nine separate DSP channels make this extremely powerful Plug & Play amplifier to a sound virtuoso for the expansion of OEM sound systems.

The "heart" of the PP 86DSP is a 64 Bit DSP of the latest generation with enormous processing power and ultimate sound optimization opportunities. The package is complemented by Audiotec Fischers proprietary Class HD technology which combines maximum efficiency with minimum space requirements.

Besides a 6-channel highlevel input with ADEP circuit (Advanced Diagnostics Error Protection), the PP 86DSP is as well equipped with a MATCH Extension Card slot. This allows adding further interfaces like a Bluetooth® Audio Streaming module or a High Resolution Audio USB soundcard.

Thanks to the professional and user-friendly DSP PC-Tool V4 software with its bunch of new functions an individual sound setup becomes straightforward and intuitive. No doubt - a sound upgrade with this amplifier will be a lot of fun.

Features

- High-performance 8-channel Class HD amplifier with integrated 9-channel 64 Bit DSP
- MATCH Extension Card slot (MEC) for additional input / output modules like Bluetooth® Audio Streaming, High Resolution Audio Streaming via USB etc.
- Smart 6-channel highlevel input with ADEP.2 circuit (Advanced Diagnostics Error Protection, 2nd generation)
- Adjustable input sensitivity from 5 to 11 Volts
- Start-stop capable down to 6 Volts supply voltage
- Optical input in SPDIF format with sampling rates between 12 and 96 kHz
- Auto Remote switch for activating / deactivating the automatic turn-on feature via the highlevel inputs
- Dual mono RCA output for the connection of an external amplifier e.g. subwoofer amplifier
- Easy installation via included Plug & Play connection cable

Special features

Class HD technology

The PP 86DSP combines the advantages of a Class H technology with the principle of a class D amplifier. The result is an unsurpassed efficiency which easily outperforms any

conventional Class D amplifier. By varying the internal supply voltage depending on the amplifier's amplitude of the input signals, idle losses are significantly reduced and overall efficiency is close to maximum at any time.

Smart highlevel input

The latest generation of OE car radios incorporates sophisticated possibilities of diagnosing the connected speakers. If a common amplifier will be hooked up failure messages and loss of specific features (e.g. fader function) are often the result - but not with the PP 86DSP. The new ADEP circuit (Advanced Diagnostics Error Protection) avoids all these problems without loading the speaker outputs of the OE radio during high volumes unnecessarily.

Start-Stop capability

The switched power supply of the MATCH PP 86DSP assures a constant internal supply voltage even if the battery's voltage drops to 6 Volts during engine crank. If the supply voltage drops below 10.5 Volts for more than five seconds the amplifier goes to "Protect mode" (Status LED lights up red) in order to avoid any further discharge of the car's battery.

Automatic Digital Signal Detection

Switching from analog input to the digital input is done automatically as soon as a signal is detected on the Optical Input. This feature can be deactivated in the DSP PC-Tool software. Alternatively you can use an optional remote control for manual switching between analog and digital inputs.

Power Save Mode

The Power Save Mode is incorporated in the basic setup. It allows to significantly reduce the power consumption of the PP 86DSP and potentially connected amplifiers once there's no input signal present for more than 60 seconds. Please note that in many up-to-date cars with "CAN" or any other internal bus structures it may happen that the radio remains "invisibly" turned on for up to 45 min. even after locking and leaving the car! Once the "Power Save Mode" is active the remote output and therefore the connected amplifiers will be turned off. The MATCH PP 86DSP will reactivate the remote output within a second if a music signal is applied. It is possible to either modify the turn-off time of 60 sec. or completely deactivate the "Power Save Mode" via the DSP PC-Tool software.

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