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AS300.2

2-channel AB class amplifier available in Silver and White finishing

CEA-2006-A SPECIFICATIONS

POWER RATING: 300 Watt per channel @ 4 Ohm < 1% THD+N

SN RATIO: >86 dBA (reference: 1 Watt into 4 Ohm)

MOS SPECIFICATIONS (Tcase = 25 °C / 4 Ohm stereo / 0.2V input level @ 14.4 Volt if not otherwise specified)

TARGET POWERS:
300 Watt per channel @ 4 Ohm
550 Watt per channel @ 2 Ohm
1100 Watt BTL mode @ 4 Ohm
1800 Watt BTL mode @ 2 Ohm (*)

EFFECTIVE POWERS:
330 Watt (260 Watt @12V6) x 2 67.8 A (η = 68.0 %) @ 4 Ohm / ST mode / 1% THD / 1KHz
562 Watt (432 Watt @12V6) x 2 123.4 A (η = 63.3 %) @ 2 Ohm / ST mode / 1% THD / 1KHz
1204 Watt (864 Watt @12V6) x 1 123.4 A (η = 63.3 %) @ 4 Ohm / BTL mode / 1% THD / 1KHz

THD @ 4 Ohm / ST mode: < 0.035 % (1KHz / 90% Power rating ref)

Absolute maximum operation supply voltage range: 10 V ÷ 16 V

Bandwidth (-3dB ÷ 1 Watt): < 5 Hz ÷ 150 KHz

Input sensitivity (Power rating ref): 0.2 V ÷ 5 V

Input impedance @ 1 KHz (STEREO input): 11 KOhm

S/N ratio (AP filter 10 Hz - 22 KHz) - Power rating ref: 110 dB ("A" weighted)

Xover functions: HIGH Pass & LOW Pass (BAND Pass allowed)
(20 ÷ 175Hz) & (50 ÷ 300Hz)

Filter slope - Filter "Q": 12 dB/oct - 0.7 (Stereo & Mono)

Thermal cutoff Threshold: 88 °C (±5°C)

ProSPEED® Fan Controller Threshold: 55 °C (±5°C)

Load drive limitations (*): 1 Ohm / 2 Ohm (Stereo / Bridged)

Suggested fuse: 150 A (Internal)

Size: 590x200x50 mm

Weight: 5,8 Kg

(*) VERY IMPORTANT NOTE - READ CAREFULLY

4 Ohm ST or 8 Ohm BTL – CONTINUOUS SINEWAVE SIGNAL – pure resistive load or speaker load

2 Ohm ST or 4 Ohm BTL – MUSICAL SIGNAL – pure resistive load or speaker load

1 Ohm ST or 2 Ohm BTL – MUSICAL SIGNAL – speaker load only

utilizzare le viti presenti nella confezione o comunque di diametro 4 mm e serrate a max 5 Nm

MONTAGEÖFFNUNG
Benutzen Sie die mitgelieferten Schrauben in der Packing oder Ziehen Sie die Schrauben fest. Ziel 5 Nm Drehmoment fest.

FASTENING HOLES
Use the screws provided in the package or screws of 4mm diameter. Tighten bolts to a maximum of 5 Nm torque.

FILTRO PASSA BASSO
Attivare il filtro passa basso premendo il pulsante LOW PASS FILTER. Regolare la frequenza di taglio del filtro passa basso tramite il potenziometro LOW PASS FILTER.

LOW PASS FILTER
Aktivieren Sie den Low Pass Filter, in dem Sie den Knopf drücken. Sie die Grenzfrequenz des Low Pass Filters mit dem Gebrauch des Potentiometers LOW PASS FILTER.

LOW PASS FILTER
the low pass filter by pushing the potentiometer (knob)

FILTRO PASSA ALTO
Attivare il filtro passa alto premendo il pulsante HIGH PASS FILTER. Regolare la frequenza di taglio del filtro passa alto tramite il potenziometro HIGH PASS FILTER.

HIGH PASS FILTER
Aktivieren Sie den High Pass Filter, in dem Sie den Knopf drücken. Sie die Grenzfrequenz des High Pass Filters mit dem Gebrauch des Potentiometers HIGH PASS FILTER.

HIGH PASS FILTER
the high pass filter by pushing the potentiometer (knob)

FILTRO PASSA ALTO
the cut-off frequency of the high-pass filter by using the potentiometer (knob)

FILTRO PASSA BANDA
entrambi i filtri per ottenere un filtro passa banda. Regolare le frequenze di taglio tramite i potenziometri BAND PASS FILTER.

BAND PASS FILTER
Aktivieren Sie beide Filter, um einen Bandpassfilter zu erhalten. Regeln Sie die Grenzfrequenzen mit Hilfe des Potentiometers BAND PASS FILTER.

BAND PASS FILTER
both filters to get a band pass filter

BAND PASS FILTER
the cut-off frequencies by using both potentiometers (knobs)

SINGLE INPUT
Attivare per avere lo stesso segnale del canale ch1 e ch2 rispettivamente nei canali ch3 e ch4. L'RCA ch4 può essere utilizzato come by-pass dell'RCA ch3.

SINGEL-BETRIEB (MONO)
Drücken Sie diesen Knopf, um für Ch4 das gleiche Signal von Kanal Ch3 zu erhalten. Der RCA Ch3 kann als by-pass des Kanal Ch4 genutzt werden.

AMMERKUNG:
diese Funktion nur verwenden, wenn ein Singel-(Mono)Eingangssignal mit dem Verstärker verbunden ist.

SINGLE INPUT
this button to have the same channel ch1 signal in channel ch4. The RCA ch4 may be used as a channel ch3 bypass.

NOTE: use this function only if there is a single input connected to the amplifier

FORO DI FISSAGGIO
utilizzare le viti presenti nella confezione o comunque di diametro 4 mm e serrate a max 5 Nm

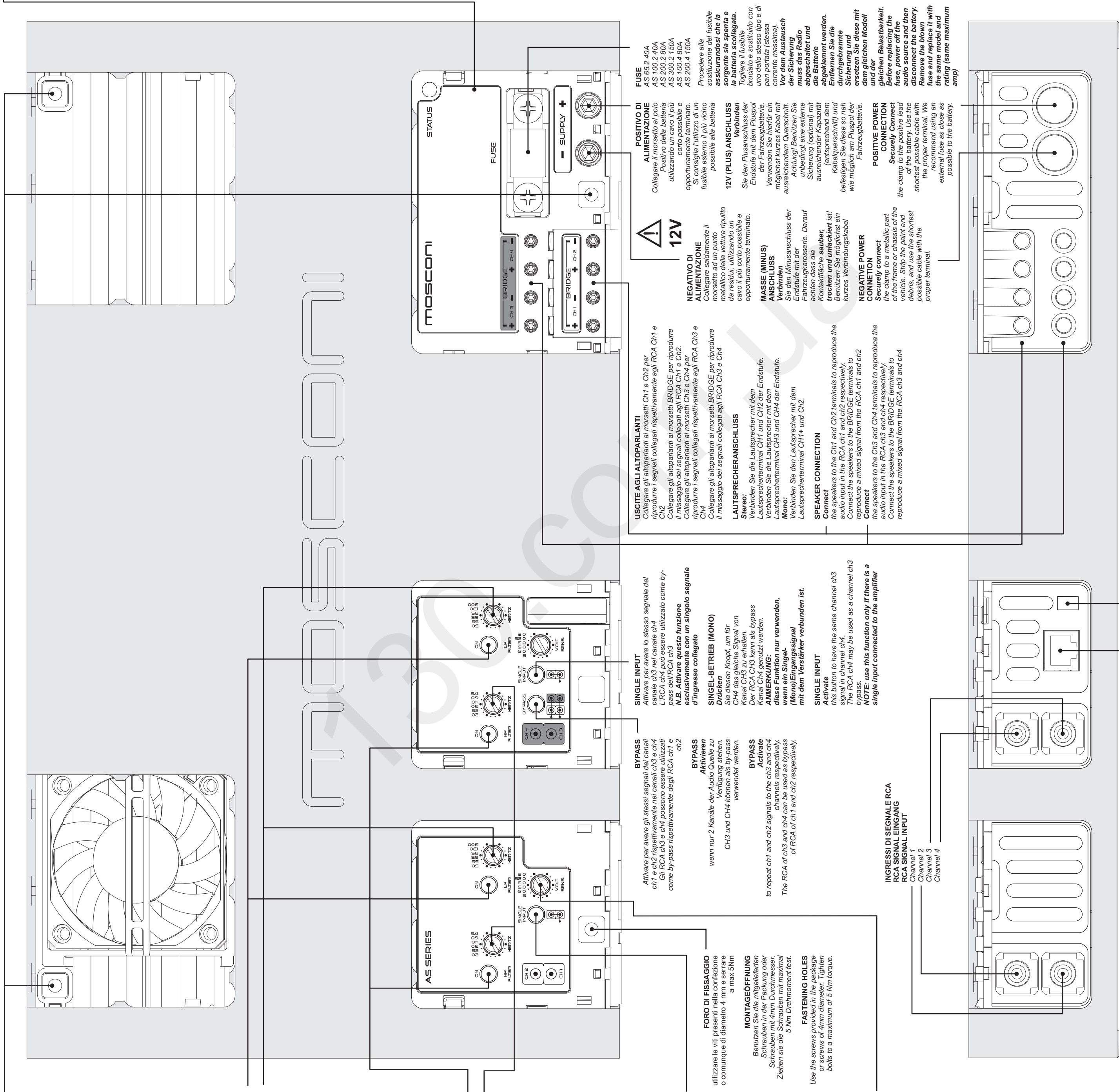
MONTAGEÖFFNUNG
Benutzen Sie die mitgelieferten Schrauben in der Packing oder Ziehen Sie die Schrauben mit maximal 5 Nm Drehmoment fest.

FASTENING HOLES
Use the screws provided in the package or screws of 4mm diameter. Tighten bolts to a maximum of 5 Nm torque.

REGOLAZIONE DELLA SENSIBILITA'
Impostare la sensibilità d'ingresso dell'amplificatore perché si adatti al livello del segnale generato dalla sorgente. Consultare il manuale di uso e manutenzione della sorgente.

GAIN (EMPFINDLICHKEIT)
Passen Sie die Empfindlichkeit des Verstärkers dem Eingangssignal an. Ziehen Sie die Bedienungsanleitung der Audioquelle / des Radios zu Rate.

GAIN (SENS.)
Adjust the sensitivity of the amplifier to the input signal to adapt to the level of the signal generated by the audio source. Consult the manual of the audio source.



SPIA DI SEGNALE
ROSSO: l'amplificatore è in funzione.
Possibili cause in assenza di suono:
1. Il sistema di altoparlanti non è ben collegato o è danneggiato.
2. I cavi di segnale provenienti dalla sorgente sono scollegati o danneggiati.
3. Il segnale proveniente dalla sorgente è assente o inadeguato.

Altoparlanti
1. Verificare/ripistinare i collegamenti e/o sostituire gli altoparlanti danneggiati.
2. Verificare/ripistinare i collegamenti provenienti dalla sorgente.
3. Regolare adeguatamente la sorgente seguendo le istruzioni fornite dal costruttore.

ARANCIO: l'amplificatore è in protezione.
Dopo 3 secondi l'amplificatore tenta il ripristino automatico

Possibili cause:
1. E' in corso la sequenza di accensione.
2. La tensione presente ai morsetti d'alimentazione è superiore a 7 VDC.
3. Si è verificato un sovraccarico di corrente nel circuito degli altoparlanti.

Rimedio:
1. Attendere tre secondi, l'amplificatore passerà al normale funzionamento.
2. Eliminare la causa del sovraccarico.
3. Verificare e ricablare l'amplificatore per verificare il funzionamento.

GIALLO: l'amplificatore è acceso ma non in funzione.
Possibili cause:
1. Il fusibile è bruciato.
2. Il circuito di alimentazione è inadeguato.
3. La tensione presente ai morsetti d'alimentazione dell'amplificatore è inferiore a 7 VDC.
4. L'amplificatore è guasto.

Rimedio:
1. Verificare e ripistinare i cavi e la solidità dei contatti nel circuito di alimentazione.
2. Sostituire il fusibile.
3. Ricablare o sostituire la batteria.
4. Rivolgersi al punto vendita per attivare la procedura di Assistenza Tecnica

LED
ROT: der Verstärker ist in Betrieb
Mögliche Gründe wenn kein Ton hörbar ist:
1. Das Lautsprechersystem ist nicht vorschriftsmäßig verbunden.
2. Die Signalkabel des Radios sind nicht sachgemäß verbunden oder beschädigt.
3. Das Signal des Radios ist nicht vorhanden oder unzureichend.

Ablhilfe:
1. Überprüfen/erneuern Sie die Verkabelung und/oder ersetzen Sie beschädigte Lautsprecher.
2. Überprüfen/erneuern Sie die Verkabelung des Radios.
3. Passen Sie das Radio sachgemäß mit Hilfe der Herstellerempfehlung an.

ORANGE: der Verstärker ist im Sicherheitsmodus.
Nach 3 Sekunden versucht dieser automatisch wider in den normalen Betrieb zu schalten.

Mögliche Gründe:
1. Der Verstärker startet gerade.
2. Die Spannung an den Anschlüssen ist zu hoch.
3. Momentane Überlastung der Lautsprecherinheit.

Ablhilfe:
1. Warten Sie 3 Sekunden, der Verstärker wird wider in den normalen Betrieb übergehen.
2. Warten Sie, bis die Temperatur sinkt.
3. Betreiben Sie den Guard der Überlastung.

GELB: der Verstärker ist eingeschaltet, funktioniert aber nicht.
Mögliche Gründe:
1. Die Stromversorgung ist unzureichend.
2. Die Sicherung ist durchgebrannt.
3. Die Stromversorgung ist unter 7 Volt.
4. Der Verstärker ist defekt.

Ablhilfe:
1. Überprüfen/erneuern Sie die Verkabelung und die Kontakte des Stromkreislau.
2. Tauschen Sie die Sicherung aus.
3. Laden Sie die Batterie auf oder ersetzen Sie die Fahrzeugbatterie.
4. Kontaktieren Sie einen autorisierten Vertriebspartner, um die technische Betreuung einzuleiten

INDICATION LIGHT
RED: the amplifier is in operation
Possible causes for lack of sound:
1) The loudspeaker system is not connected properly or is damaged
2) The signal cables from the audio source are not properly connected or damaged
3) The signal from the audio source is absent or inadequate

Remedy:
1) Verify/renew the connection and/or replace the damaged loudspeakers
2) Verify/renew the connection from the audio source
3) Properly adjust the audio source following the manufacturer's recommendations

ORANGE: the amplifier is in protected mode. After 3 seconds the amplifier attempts to resume automatically
Possible causes:
1) The amplifier is powering up
2) The power supply is inadequate
3) Current overload in the loudspeaker circuit

Remedy:
1) Wait 3 seconds, the amplifier will switch to normal operation
2) Wait for the temperature to decrease
3) Remove the cause of the overload

YELLOW: the amplifier is powered on but is not functioning.
Possible causes:
1) The power supply is inadequate
2) The fuse has blown
3) The power voltage is below 7 VDC
4) The amplifier is malfunctioning

Remedy:
1) Verify and restore the connections and the contacts of the power circuit
2) Replace or replace the vehicle's battery
3) Recharge or replace the battery
4) Contact an authorized reseller to initiate the procedure for Technical Assistance

ATTENZIONE!
Prima di qualsiasi intervento di manutenzione, smontaggio, montaggio, sostituzione o rimozione, scollegare i morsetti di alimentazione dalla batteria.

AVVERTENZA!
Prima di qualsiasi intervento di manutenzione, smontaggio, montaggio, sostituzione o rimozione, scollegare i morsetti di alimentazione dalla batteria.

CAUTION!
Before any maintenance, disassembly, assembly, replacement or removal, disconnect the power leads from the battery.

WARNING!
Before any maintenance, disassembly, assembly, replacement or removal, disconnect the power leads from the battery.

CURRENT (A)	0-20	20-35	35-50	50-65	65-85	85-105	105-125	125-150
LENGTH (m)	0-12	12-24	24-36	36-48	48-60	60-72	72-84	84-96

LENGTH (m)