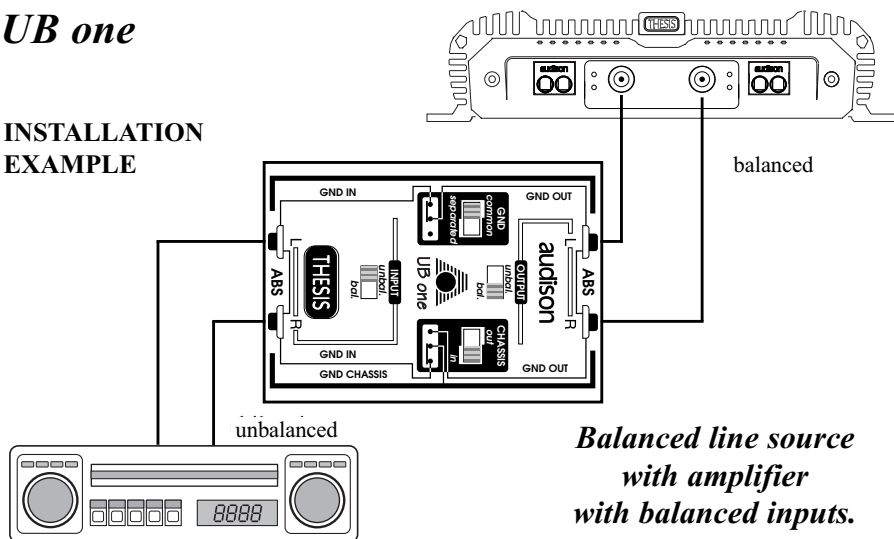


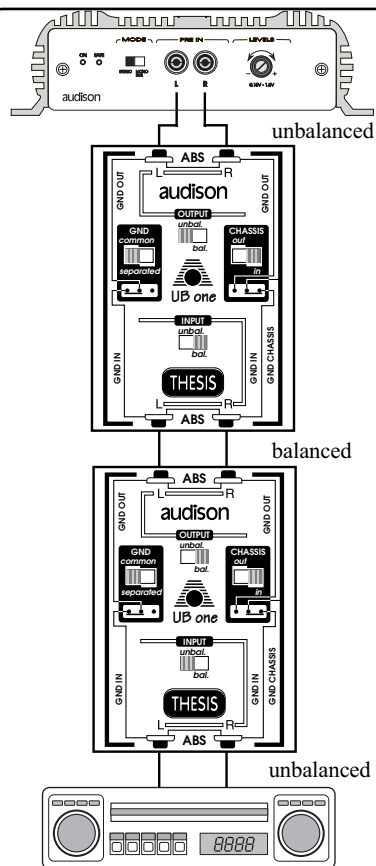
UB one

INSTALLATION EXAMPLE



*Balanced line source
with amplifier
with balanced inputs.*

(Switch position as in the picture. Concerning the chassis, choose the less noisy ground.)

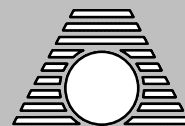


UB one

INSTALLATION EXAMPLE

*Transformer of an
unbalanced line
into a balanced line*

(Switch position as in the picture. Concerning the chassis, choose the less noisy ground.)



audison

SERVICE MANUAL

Audio line adapter

UB one

ABS outputs selectable
in BALANCED or
UNBALANCED way.

A

Commutator to select
the outputs in
BALANCED or
UNBALANCED way.

B

Commutator to
short-circuit or separate
the input and output
ground.

C

Commutator to connect
the chassis to the
input or output ground.

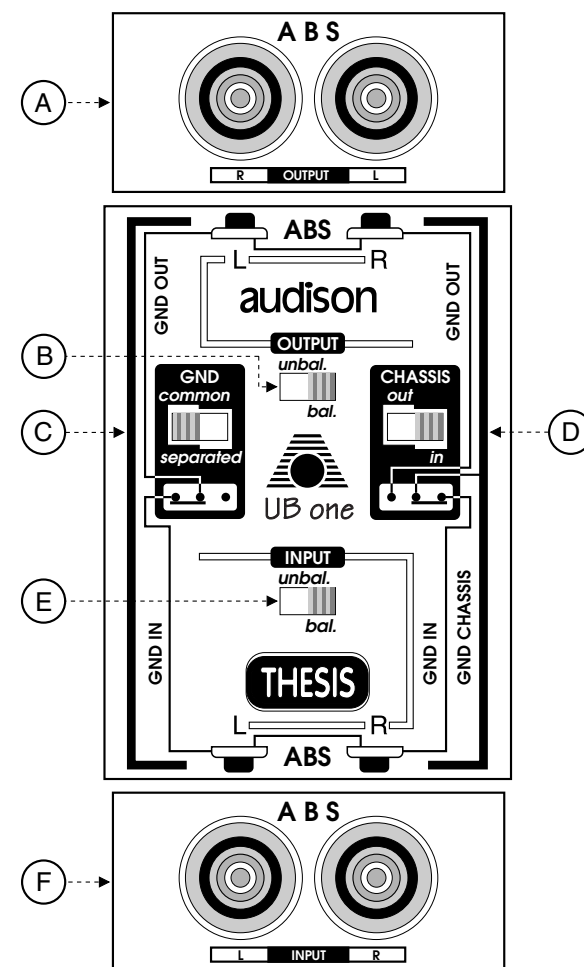
D

Commutator to select
the inputs in
BALANCED or
UNBALANCED way.

E

ABS inputs selectable
in BALANCED or
UNBALANCED way.

F



FEATURES

UB one is a passive line adapter (not supplied), which was studied to handle balanced and unbalanced signals, assuring the use of every kind of sources and users always in a correct way. This device is able to solve the problems of car noise since it is a galvanic decoupler of the grounds and since it can transform an unbalanced signal into a balanced one, with all advantages that such a system offers.

The special construction of the transformer used inside allows to transfer signals for a wide frequencies spectrum (15Hz-90KHz) with typical distortions of 0,03% and input amplitudes of 1 VRMS. It can work as balanced signals adapter thanks to the use of **ABS** (Audison Balanced System) connectors .

UB one has four commutators: two select the inputs and outputs in balanced or unbalanced way; one short-circuits or separates the input and output grounds, while another connects the latter to the chassis.

INSTALLATION

For mounting use the 4 self-threading screws and protective plastic rings provided. For a very good result we suggest using **audison cable** products to complete your installation. This include: signal cables, RCA and ABS connectors.

WARNING

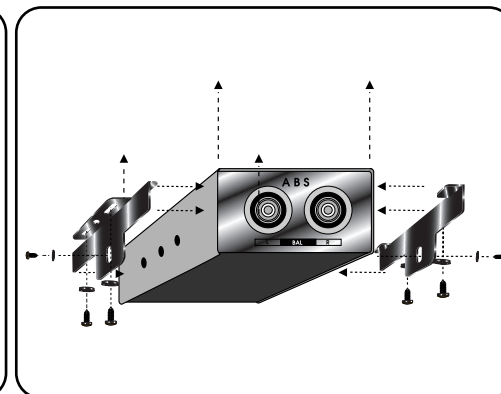
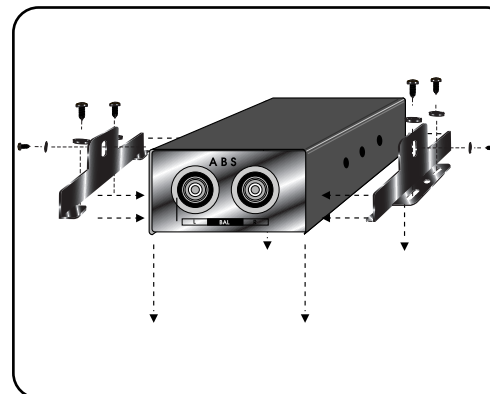
If the radio-cassette player output GND isn't connected to the radio chassis, the braided shield of the shielded cable must be connected to the radio-cassette player chassis.

Possible saturation phenomena could be caused by an input signal higher than 1 VRMS. If this happens, please turn radio-cassette player volume down until distortion disappears. Then adjust the calibration levels of the amplifier.

TECHNICAL DATA:

MAXIMUM BALANCED INPUT OR OUTPUT SIGNAL	±0,5 VRMS
MAXIMUM UNBALANCED INPUT OR OUTPUT SIGNAL	1 VRMS
T.H.D. DISTORTION (-3 dB; 90% of maximum level)	0,03%
BANDWIDTH (90% of maximum output level)	15 Hz - 90 KHz
UNBALANCED INPUT IMPEDANCE (on 10 K Ω load)	30 K Ω
BALANCED INPUT IMPEDANCE (on 10 K Ω load)	11 K Ω
UNBALANCED OUTPUT IMPEDANCE (input on 600 Ω)	1 K Ω
BALANCED OUTPUT IMPEDANCE (input on 600 Ω)	2 K Ω
GAIN IN VOLTAGE (dB)	0 (AV = 1)
DIMENSIONS (WxHxD)	93x66x30 mm (3.67x2.60x1.18 inch)

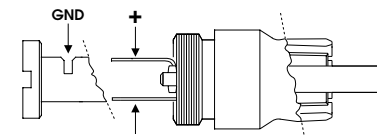
UNIT FIXING



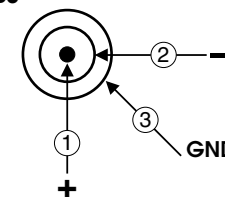
ABS (Audison Balanced System) SYSTEM CONNECTIONS

1-2-3 Balanced connections
(PIN ABS)

1-3 Unbalanced connections
(PIN RCA)

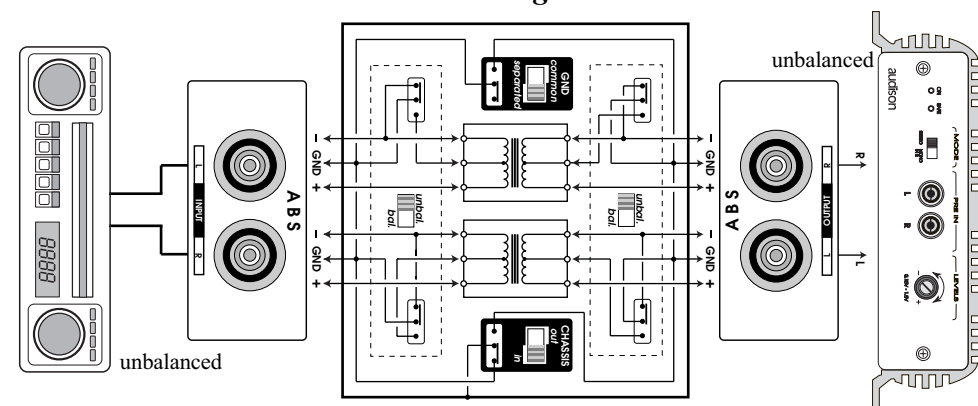


PIN ABS



UB one

Block diagram



INSTALLATION EXAMPLE

Ground decoupler for unbalanced lines

(Switch position as in the picture. Concerning the chassis, choose the less noisy ground.)