

GOLDENOTE®

S 1

ITALIAN PRESTIGE DUAL MONO INTEGRATED AMPLIFIER

OWNER'S MANUAL

MANUFACTURED IN ITALY

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VERY IMPORTANT: Please read the following instructions carefully before installing your Goldenote Integrated Amplifier

Congratulations

Thank you for having purchased a GOLDENOTE® product.

Introduction



The Goldenote® line of amplifiers features unique and innovative technical and aesthetic characteristics.

The S1 is a single ended Dual-Mono solid state stereo integrated amplifier that uses a proprietary Goldenote electronic design called Mirror-Amp™ and a design couple the three amplification stages without filtering them at all.

The Mirror-Amp™ enables the preamplifier section to work as a sort super class A amplifier. It is a the gain stage made with a proprietary cascode differential design with a current enable a super-linear signal, thus virtually eliminating distortion.

The power supply is driven by three different custom IE transformers. Two transformers are dedicated to the audio signal, the third one powers all the functions that could adversary affect the sound of the amplifier, including the motorised volume control, the relays, the LED lights as much as all the service powered stages.

To achieve best sonic performance the S1 does not have active or passive filters on the audio signal path. The amplifier features four passive thermal switches switch off the amplifier power when it reaches an internal temperature of 80°Celsius (180°Fahrenheit).

The S1 has a wide inductive and resistance acceptance so it can be matched with any kind of audio cables.

Its chassis is made of Steel to minimize RFI and EMI interferences. Selected components have strict tolerances.

The S1 can easily handle most of the speakers available on the market. It is also specially design to drive high efficiency speakers for which the volume control is set up higher than other amplifiers in its range. For that reason it is absolutely normal to eventually raise up the volume knob very high over the second half of its rotation ability.

Contents of Packaging

- INTEGRATED AMPLIFIER
- REMOTE CONTROL FOR VOLUME CONTROL ONLY
- DETACHABLE AC POWER CHORD
- INSTRUCTIONS AND WARRANTY CERTIFICATE

Positioning of the S1 Integrated Amplifier

The S1 integrated amplifier has been designed for home Hi-Fi systems. It ought therefore to be protected from any eventual variations in temperature and humidity. Avoid using in the vicinity of radiators or other strong heating sources, electrical and electronic motors, mobile phones etc.

The location in proximity of other audio components is not theoretically critical, but you should nevertheless pay attention to this. If it should have to be moved after the installation, certain readjustments may need to be made again. In any case, take care to switch OFF and detach the AC power chord from the AC wall plug the S1 integrated amplifier every time you need to move it.

Operating Conditions

Once it has been correctly mounted and wired with its AC power Chord, and once the unit is been wired to a line input of the amplifier with a proper interconnect cable, your S1 integrated amplifier is ready for use.

TO ACHIEVE HIGHEST POSSIBLE QUALITY SOUND PERFORMANCES THE S1 DOES NOT HAVE ANY OUTPUT PROTECTION. SHORT CIRCUIT AND TOO LOW LOAD SPEAKERS (BELOW THAN 4 OHMS) THAT COULD IRREDEMIABLY DAMAGE THE AMPLIFIER IF IMPROPERLY USED.

THE UNIT IS PROVIDED WITH FOUR THERMAL SWITCHES PUT ON BOTH CHANNELS HEAT SINKS AND POWER TRANSFORMERS. BEFORE THE UNIT REACHES A DANGEROUS TEMPERATURES IT TURNS OFF AUTOMATICALLY UNTIL IT WILL COLD DOWN TO A REGULAR OPERATING TEMPERATURE LEVEL.

TYPICALLY IF THE UNIT TURNS OFF DURING PLAYING TAKES 30 MINUTES TO COOL DOWN AND SWITCH IT ON AGAIN. EVENTAULLY TEST THE UNIT WELL BEFORE CALLING ASSISTANCE FOR SERVICE.

NOTE: Never disassemble any part of the product for any reason whatsoever. The S1 integrated amplifier could be irreparably damaged and the guarantee would be invalidated.

(1) INPUT SELECTOR	6 position input rotative selector
(2) VOLUME CONTROL	Remoted volume control
(3) SWITCH ON/OFF	Two Position Switch on the left side of the front panel
(4) LED	Light of Amplifier turned ON
(5) REMOTE RECEIVER	Under the LED On light
(6) HEADPHONE	Socket 6.3mm (optional)

Front Panel



DISC*, CD, AUX-1 (VIDEO), AUX-2 (TUNER), AUX-3, TAPE IN	Gold plated RCA inputs (XLR Optional)
TAPE OUT	Gold plated RCA inputs
SPEAKER CONNECTORS	Luxury gold plated connectors
GROUND	(GND) Green or Gold Ground plug
IEC PLUG	IEC Standard AC connector with 3.15A Fuse

Rear Panel



DISC* is the Phono dedicated INPUT. The Board is installed but the functionality is optional. Once installed you can switch MM and MC operating by moving the small DIP SWITCH with 4 Micro-Switches once the cover is removed.

To select the MM option move the four Micro Switches towards the numbers 1,2,3,4 on the opposite side the set up is working MC.

DO NOT OPEN THE UNIT WITHOUT A WRITTEN PERMISSION OF YOUR LOCAL DISTRIBUTOR OTHERWISE THE WARRANTY WILL NOT COVER ANY EVETUAL DAMAGE OF THE UNIT FREE OF CHJARGE.

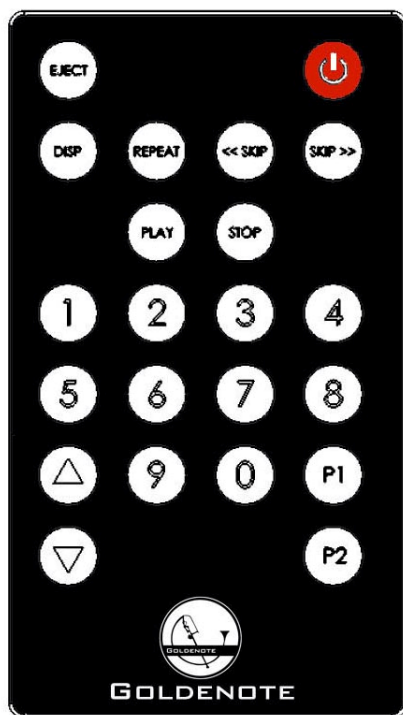
Volume Control

The volume control of this unit is made with an high quality potentiometer made by ALPS. It is so precise that its error ability to track is very low. Besides it is made with such materials that render its durability far superior than standard audio potentiometer.

The remote volume control with its proper electronic board and power transformer (to avoid any kind of interferences on signal path) works directly on a DC motors positioned on the back of the potentiometer to avoid the use of electronic controllers can reduce sound quality.

The amplifier features the same remote control can handle even the Goldenote CD Players.

Remote Control



- The Volume is controlled by the UP&DOWN arrow keys.
- All the other remote keys are exclusively dedicated to control a Goldenote CD player.
- Eventually read the Goldenote CD Player owner's manual to learn about the remote control working keys.

Technical Specifications

The following data describe the basic technical specifications of the Goldenote® S1 integrated amplifier at the time of drafting this manual. The specifications are subject to modification without notice. The product complies with the requirements laid down in the EC regulations.

DIMENSIONS:	430mm L x 100mm H x 370mm D
WEIGHT:	Kg. 10,00 (22lbs.)
FREQUENCY RESPONSE:	20Hz - 20KHz @ +/- 3dB
THD (Total Harmonic Distortion)	0,15% @ 20Hz - 20KHz
INPUT IMPEDENCE:	47 Kohm (47Kohm MM o 470ohm MC optional)
INPUT SENSIVITY:	550 mV (0,9 to 5,0 mV MM variable acceptance optional) (0,3 to 0,8 mV MC variable acceptance optional)
RATIO SIGNAL/NOISE	-90dB
SLEW RATE:	13 Volt/ μ s Line
POWER OUTPUT:	40w+40w 20-20.000Hz max. 0,2% THD
POWER TRASNFORMERS:	2 CUSTOM Power Transformers

Warranty Certificate

The warranty certificate is enclosed separately and to be valid must be completed fill and returned to Goldenote factory or the official distribution. In all countries where there is an official distribution network, the dealer must stamp the warranty certificate. In compliance with the laws in force, the dealer may modify the official Goldenote warranty certificate fully or partially without notice and without further mention being made in this instruction manual.

EVERY SINGLE GOLDENOTE UNIT HAS A WARRANTY ADHESIVE LABEL APPLIED ON THE CHASSIS SHOWS THE GOLDENOTE LOGO. IF THE LABEL IS DAMAGED IN ANY PART THE WARRANTY WILL NOT COVER FREE OF CHARGE SERVICE AND/OR RESTORING.

Customer Service

All GOLDENOTE® products are the result of meticulous technological research, and consequently their correct functioning is guaranteed. In spite of this it is possible that problems may emerge which non-specialist users cannot resolve. In this case, contact your dealer who will advise you on how to resolve the problem.

Do not return any object directly to the factory or to the national distributor or without being authorized to do so. In such cases both GOLDENOTE® and the distribution agents operating within your territory decline responsibility of any kind.

PS. The photos reproduced here refer to the S1 Integrated Amplifier, but parts and descriptions may vary from the product on sale without notice.

WARNING

- 1. THE S1 DOES NOT HAVE ANY OUTPUT PROTECTION. SHORT CIRCUIT OR WRONG SPEAKERS MATCHING (BELOW THAN 4ohms) COULD DAMAGE THE AMPLIFIER**
2. Take extreme care in unpacking and eventually re-packing the unit. Besides the large mass of the amplifier can render shipping dangerous.
3. Do not disassemble any part of the product
4. Do not use any part of the product for other purposes.
5. For service and problems of any kind, contact qualified personnel.
6. Protect the product from rain and humidity and keep away from heat sources, electric and electronic motors etc.

Troubleshooting

SYNTOM	DESCRIPTION	REASON	REMEDY
THE AMPLIFIER DOES NOT WORK	<i>The LED (4) is off</i>	<ul style="list-style-type: none"> The power Chord is detached or not correctly powered 	<ul style="list-style-type: none"> Verify the AC connection.
	.	<ul style="list-style-type: none"> Then Fuse is blown 	<ul style="list-style-type: none"> Replace the fuse with one of the same value.
THE AMPLIFIER SHUT DOWN DURING PLAYING		<ul style="list-style-type: none"> The unit warms up too much and the thermal switches inside turn it off waiting to cool it down 	<ul style="list-style-type: none"> Be sure the unit is necessarily positioned in a airy place.
The PHONO (DISC) INPUT DOES NOT WORK		<ul style="list-style-type: none"> The Phono MM & MC i san optional feature 	<ul style="list-style-type: none"> Be sure you have it installed on the position wanted
THE AMPLIFIER HAS A LOW LEVEL VOLUME WORKINJG	<i>The amplifier need to be turned on the volume to drive at desired gain the speakers</i>	<ul style="list-style-type: none"> The Unit is designed to play also high efficiency speakers and the logarithmic volume control features a soft raising that enable the mid efficiency speakers work on high knob position 	<ul style="list-style-type: none"> There is no problem of distortion even if the amplifiers drives the speakers at very high knob position of volume over half ride of the knob itself.