



47 Treasure/47 Laboratory
model 0147:
Stereo Headphone
Amplifier with Line Output
Original Construction Kit



White LEDs light-up inside structure through acrylic over plate.

1ST DIY KIT FROM 47 LABORATORY!

We, 47 Laboratory have found our original kit brand “47 Treasure” for world wide DIY builders. It is joy to build your own works to enjoy your favorite musics. They must be your presious treasures throughout your life.

We now prepare next DIY gears, such as power amplifier, CD transport, D/A converter, MC/MM phono equalizer pre-amplifier, PC digital audio interfaces and some valuable audio accessories.

Enjoy our simple structured and pure sound instruments. Only the simplest can accommodate the most complex.

SPECIFICATIONS

POWER SUPPLY:	available for world wide! (AC100–120V, 220–240V)
INPUT SOURCES:	RCA pin jack (unbalanced) x3, selectable
SENSIBILITY:	max 2.0V _{RMS} (impedance: 50k Ω)
S/N:	very quiet
VOILTAGE GAIN:	about 14dB (x5.0)
FREQUENCY:	5Hz .. 120kHz (–3dB)
OUTPUT:	headphone jack (6.3mm standard plug) RCA pin jack (line pre–amplifier output)
POWER OUTPUT:	100mW or more (impedance: 16..300 Ω)
SIZE:	W250 x H40 x D175mm
WEIGHT:	1.8kg (without power supply cable)
OPERATION:	power switch, volume, input selector

ALL COMPONENTS ARE INCLUDED IN ONE PACKAGE

- Rigid iron coated chassis, AC inlet, RCA pin jack
- Troid Transformer (Universal 115V/230V, 2x9V, 25VA)
- PCBs, semiconductors (matched pair) and other components
- Wires (solid copper wire, 0.4mm, 0.65mm)
- Bolts, Washers, Nuts
- High quality audio volume potentiometer (ALPS), selector switch, knobs
- AC power supply cable (47 Laboratory original)
- Step by step assembly manual with many pictures and photos, with each semiconductors technical information (CD-ROM, PDF files)



You can start construction soon to prepare basic tools as follows.

- Solder, solder iron (ca 30W)
- Screw drivers
- Nipper, Plier
- Wire stripper
- Multimeter for measurement voltages

FEATURES

- Very quiet (high S/N), vivid sound, real reproduction.
- Using discrete selected semiconductors (matched pair) .
- No IC component is used.
- No regulator IC for vivid and high speed sound with 25VA troid transformer and superfast recovery rectifiers.
- Voltage amplifier stage has minor loop NFB with JFET differential amplifier.
- Powerful output stage uses push-pull complementary inverted Darlington (so called "Sziklai pair") circuit.
- No global loop NFB to block out emf from headphone voice coil.
- Available line pre-amplifier output from RCA pin jack.

- Most of the dynamic type headphones in the market can be driven (impedance: 16..300Ω).

PRICE

Available only kit version from overseas.

50,000 yen + shipping cost from Japan (depend on the area)

Ask our distributors for the completed set, who would like to buy already assembled and ready to use.

HOW TO ORDER?

You can see our product information on our web shop. If you are interested in our kit version or technical questions, ask by e-mail to

kit@47lab.co.jp

Tell me your country area. Some included parts are different depend on the power supply voltage.

DEVELOPMENT/MANUFACTURE/SALES

47 Laboratory Inc.

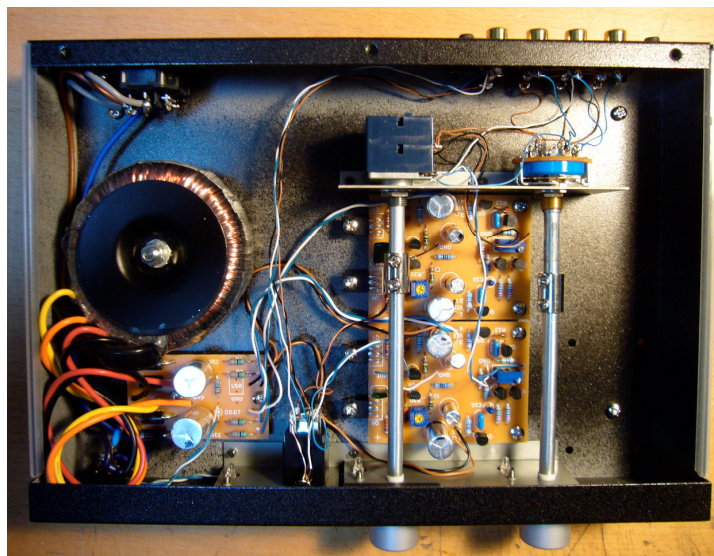
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