



47 Treasure/47 Laboratory  
model 0647:  
CD Transport  
with I<sup>2</sup>S Input Format DAC

Original Construction Kit

Available for all over the world with the included transformer!



Top loading type  
disc mount

#### BRAND NEW CD TRANSPORT 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 precious treasures throughout your life.

We now prepare next DIY gears, such as all discrete design (semiconductor) power amplifier, passive selector/volume, remote control selector/volume, MC/MM phono equalizer pre-amplifier, AM/FM tuner 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, 200–240V)
CD DRIVE:	Modified from front loading type TEAC audio drive.
DAC:	Philips TDA1543 16-bit DAC non over-sampling, no analog filter
S/N ratio:	96dB (typ)
OUTPUT:	Analog RCA pin jack (unbalanced) max 2.0V <sub>RMS</sub> (0dB), L/R stereo x1 Digital S/PDIF (coaxial) x1
DISPLAY:	Large LCD character display with backlight
SIZE:	W250 x H65 x D175mm
WEIGHT:	2.3kg (without power supply cable)
OPERATION:	power switch, panel tact buttons, cover open/close, remote controller
PLAYBACK:	stop, play, pause, prev/next, direct skip, fast reverse/forward playback (x10), timecode (elapsed/remain, track/disc) repeat (track/disc)
ACCESSORIES:	power cable for AC inlet, remote controller, PDF format assembly manual and technical information (CD-ROM included)

## ALL COMPONENTS ARE INCLUDED IN ONE PACKAGE

- Rigid iron coated chassis, AC inlet, RCA pin jacks
- Troid Transformer (Universal 115V/230V, 2x9V, 25VA)
- All PCBs are already assembled and tested except power supply module. Using only 4 modules! Just connect with inter-module flat cables.
- Two high quality power supply regulators (7805, 7808 type).
- Fast recovery rectifiers for analog power supply.
- LCD with backlight.
- Wires (inter-module flat cables).
- Bolts, Washers, Nuts.
- AC power supply cable (47 Laboratory original)
- Step by step assembly manual with many pictures and photos. Currently, English and Japanese manuals are available in the same CD-ROM.

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

- Solder, solder iron (ca 30W)
- Screw drivers, screw cap wrench (1.3mm, 2.5mm)
- Nipper, Plier
- Wire stripper
- Multimeter for measurement voltages

## FEATURES

- By converting digital output from CD drive directly with I<sup>2</sup>S input format DAC, much more detail soundscape appears in your listening room. You will realize that S/PDIF input DAC is only a compatible defact standard but it causes jitter noise.
- Separated digital power supply for controller and CD drive from analog power supply for D/A converter.
- Using ATMEL AVR microcontroller for main control module. Original realtime multi-task operating system for the CD player has already downloaded.
- User friendly, easy to learn playback operations from remote controller or tack buttons.
- With defact standard S/PDIF digital output (coaxial), you can use external DAC at the same time.
- Currently, high quality CD transport kit is truly a rare item for DIY builders. Enjoy constructing your own CD transport by yourself!
- With a hammertone finish and toggle switch produce retro and classical outlooks like antique tube amplifier. All of the "47 Treasure" product line will be the same design.



## 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](mailto:kit@47lab.co.jp)

Tell me your country area. Shipping cost depends on the area.

## DEVELOPMENT/MANUFACTURE/SALES

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## COPYRIGHT

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