

## BOOTLEG OBJECTS

ein Zirkeltraining von / a Zirkeltraining by

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## ZIRKELTRAINING

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BOOTLEG OBJECTS ARE VINTAGE DESIGN MASTERPIECES BROUGHT TO THE HEIGHT OF TECHNOLOGY WITH LOVING CARE FOR DETAIL, METICULOUS HANDCRAFTING, A SENSE OF INTERFACE DESIGN HUMOR AND A STUPENDOUS AMOUNT OF GRADE A HI-TECH.



BOOTLEG OBJECT # 01 : BRAUN AUDIO 1

The audio-1 "Kompaktanlage", issued by German electronics company Braun in 1962, consists in its original configuration of a record player and a multiband radio receiver. It is a milestone of German post-war design, and we at Zirkeltraining consider it even more important than its predecessor, the 'phonosuper' aka 'schneewittchensarg'.

This Zirkeltraining aimed at creating a feature-packed MP3 concept system according to the strict design principles that old-Ulm-schooler Dieter Rams applied when designing the original object, based on a vintage chassis, retaining as many of the original parts as seemed adequate, but taking into account today's technological possibilities.

The first prototype, finished in February 2002 after 14 days of heavy Zirkeling, is already a fully functioning system, a complete implementation of the base concept. Many more features are included in the advanced concept, which can be realized on-demand.

Limited Edition: 5 pieces. For inquiries see reverse.

## BASE CONCEPT

original chassis of an audio 1 system,  
date stamped november 1962

### HARDWARE

PC-based MP3 player  
30GB capacity - about 400 hours playing time at better-than-CD quality  
large format TFT display  
high quality JBL control hi-fi amplifier and speakers in original Braun chassis  
fast access jog shuttle controller  
original 1962 dials and buttons with digital back-end stationary. not portable.

### NETWORKING

Built-in TB100 ethernet LAN  
remote control via VNC from any computer in the network  
functions as a network storage node in any PC-based TCP/IP network  
imports play lists from popular MP3 softwares

### MP3 PLAYER

displays artist, album and Song title, playing time, sample rate, etc.  
play titles by artist / album  
play titles by playlists  
random mode

### FM RADIO

digital radio tuner  
preset playlists  
free tuning

### AUXILIARY INPUTS

line input  
streaming media-ready (broadband internet access required)

### FUTUREPROOF

the modular internal design permits technological changes for years in advance through software or hardware upgrades.

## ADVANCED CONCEPT

options to the base concept:

### EXTENDED CAPACITY

built in storage up to any capacity, cabinet space permitting.  
slots for CompactFlash and Secure Digital/MMC flash card modules

### WIRELESS LAN

network interoperability through both Bluetooth and wireless ethernet. (802.11b standard, expandable to 802.11a when available).  
also doubles as a wireless access point to a wired local area network and as a broadband internet router for a complete ethernet solution.

### WORKGROUP READY

access advanced features through the built in web server: simply call the system's web site from your personal computer. The 'virtual dashboard' is a software extension to the hardware object that allows you to record audio, create playlists, edit song tags, etc. - works on PCs, MACs, and even on Web-enabled PDAs!

### PDA REMOTE CONTROL

specially customized hi-end Compaq IPaq PDA with bluetooth or Wi-Fi access, and a modified casing.

### INFRARED REMOTE CONTROL

access all basic functions with any standard IR remote control.

### HEURISTIC LISTENING

this fun feature helps groups of listeners, e.g. in a cubicle office, find the ideal playlist mix: every listener can rate the music that's currently playing through the system's web site. an advanced heuristic algorithm creates a continuously changing democratic playlist of the most popular pieces.

### ADDITIONAL DISPLAY

wirelessly transmits all status information to your local TV set as a tastefully laid out info graphic

### DIGITAL EXTERNAL INPUT

connect any digital external audio source through Firewire, Bluetooth or SPDIF connections.

### HI END OUTPUT MODULES

optionally available with any hi-end amplifier and speaker system you specify.

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BOOTLEG OBJECTS #02: RE-B0

B0.02



BOOTLEG OBJECT # 02 : BANG & OLUFSEN BEOCENTER 7700

The Beocenter Series by Bang & Olufsen took the aesthetics of rosewood and chrome to impeccable perfection and marked, with its monolithic wedge-ness, the prismatic crystal era of the 1980s.

With a device as retrofuturistic as Charles de Gaulle Airport or a Citroën XM, we couldn't resist to bring this object up-to-date with a touch screen in place of the formerly overcluttered dashboard, and a memory card reader where the record player used to sit. Of course, it handles both CompactFlash and Secure Digital/MMC Cards, the two most advanced standards today, and comes with built-in Bluetooth and Wi-Fi connectivity. And naturally the oil-dampened lids function just as smoothly as they used to.

The speakers and headphones, needless to say, also operate wirelessly, so that the only jack you see on the rear is a 220v input.

The above design sketch was developed during Zirkeltraining #B001. This bootleg object, though, is still in the concept phase. We are looking for funding partners to help realize this concept. Contact: [info@zirkeltraining.org](mailto:info@zirkeltraining.org)

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BOOTLEG OBJECTS #03: RE-SP

B0.03



BOOTLEG OBJECT # 03 : TECHNICS SL-1210

The classic 1210 DJ turntable, introduced by Technics in 1980, is definitely the epitome of heavy-duty club appliance design. Its analogueness is artfully emphasized by its bulky tough-rubber and die-cast-aluminum base, and the elephantine shock absorbers influenced a school of device design that still persists today.

For the Bootleg Object rework of this immaculate black slab, we reduced the base height by 75% and also shrunk the records - in stead of vinyl twelve-inches, you select a one-inch smart-chip from your collection and drop it anywhere on the now bowl-shaped slipmat. This triggers, through a contact-free readout, the associated files to play from the built-in hi-capacity MP3 server. As a mechatronical challenge, the tone arm functions as both progress meter and input device: a ruby laser pointer, replacing the ruby needle, projects the current playback position, while moving the arm will roll the playback to the corresponding point in the playlist.

Of course, scratching the record, backspin and pitch-shifting are still possible and positively encouraged. So this device remains the perfect tool for a hard-working DJ.

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