

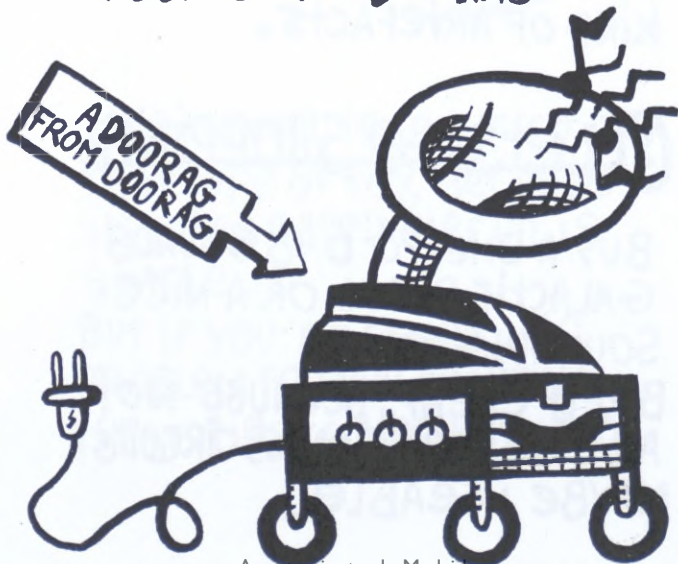
COSE



CANTAR

① INTRODUCTION

WITH THE HELP OF THIS MANUAL
YOU WILL CORNER AT LAST THE
MOST AVANT GARDE D.J. AROUND.
YOU'RE GOING TO MANUFACTURE
YOUR OWN "DOORAG"



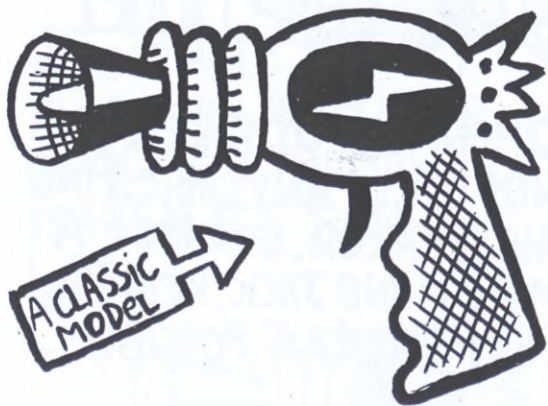
THIS PAMPHLET IS INSPIRED BY
FELA BORBONE'S LEGENDARY
FANZINE "ROCANROL POR EL
PUTO MORRO" THAT TEACHES US
HOW TO BUILD AN ELECTRIC
GUITAR OUT OF TRASH.

THE NAME "DOORAG" IS A TRIBUTE
TO THE BAND WHO FIRST USED THIS
KIND OF ARTEFACTS.

② LETS GO SHOPPING

BUY A CHEAPO 6-8 SOUNDS
GALACTIC PISTOL OR A NICE
SOUNDING TOY.

BUY IT CHEAP, BECAUSE NOT
ALL THE ELECTRONICS CIRCUITS
MAYBE USEABLE.



THIS MANUAL IS SPECIFIC TO
THAT TYPE OF TOY, BECAUSE
ITS INTEGRATED CIRCUIT IS
SIMPLE.

BUT IF YOU'RE SMART, NO
PROBLEM FOR YOU ADAPTING
THESE TIPS TO ANY NOISY TOY.

③ ~~PRIMITIVE MODEL~~

OPEN THE TOY, TAKE CARE NOT TO CUT ANY CABLE. FIND THE SPEAKER. CONNECT A MALE MONO JACK, KEEPING THE POLARITY IF POSSIBLE.



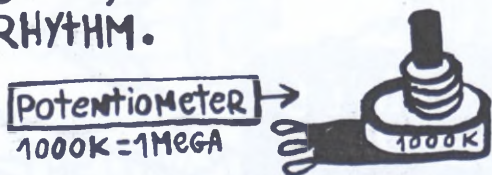
THE LONG LEG OF THE JACK TO THE \oplus (RED CABLE) OF THE SPEAKER, AND THE \ominus TO THE OTHER JACK LEG.

REASSEMBLE THE TOY.
PLUG IN AN AMPLIFIER.
WATCH OUT THE SIGNAL
IS HIGH, IT'S SOUND
LOUD.



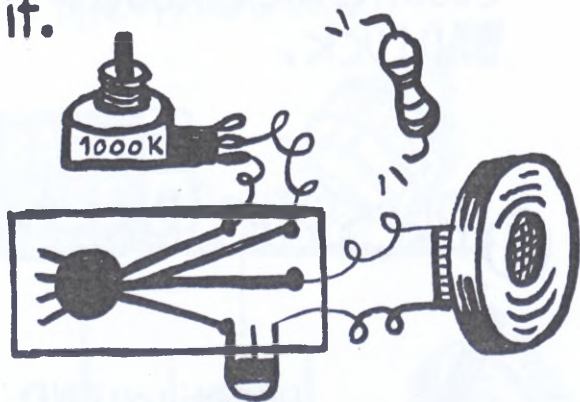
④ Circuit BENDING

TO CHANGE THE TOY SOUND, WE ARE GOING TO REPLACE THE RESISTANCE (~~1000~~) INSIDE THE ELECTRONIC CIRCUIT BY A POTENTIOMETER. IT WORKS AS A VARIABLE RESISTANCE. WHEN SPINNING, IT CHANGE ITS POWER. THAT ALTER THE SOUND, THE TONE AND THE RHYTHM.



WELD TWO WIRES TO THE POTENTIOMETER, ONE ON THE MIDDLE LITTLE LEG AND THE OTHER TO ANY OF THE SIDES.

CONNECT THE POTENTIOMETER'S
WIRES TO BOTH SIDES OF THE
RESISTANCE. IF THE SOUND
CHANGE, YOU CAN REMPLACE
it.



YOU MAY USE A CIRCUIT WITH
VARIUS RESISTANCES AND
ALL CANNOT BE REMPLACED.
USUALY 500K OR 1000K POTEN-
TIOMETERS ARE FINE.

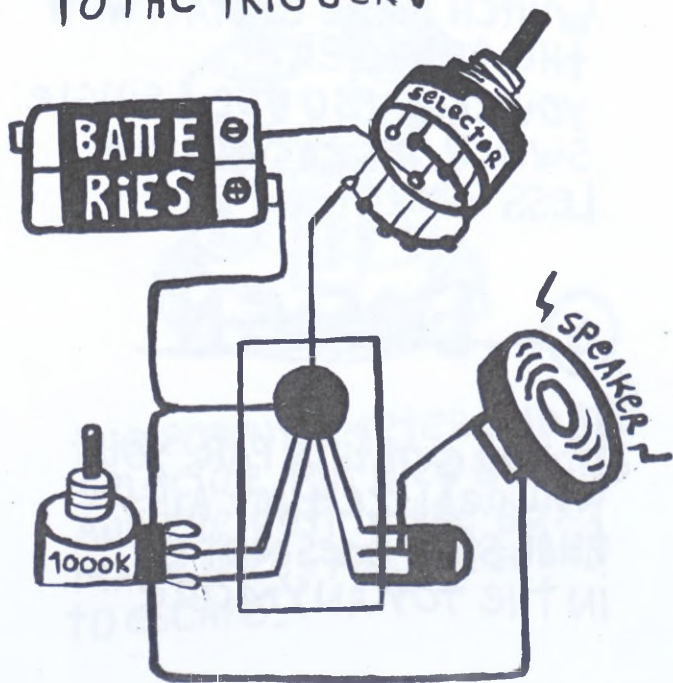
SOME OF THE RECENT
RAY GUNS, DON'T HAVE
RESISTANCE ON THEIR
ELECTRONIC CIRCUIT.
BAD LUCK.

⑤ PRESS THE TRIGGER



BUY, STILL OR FIND
A SIMPLE 12
POSITIONS
SELECTOR
- SWITCH.

WELD THE Ⓐ POLE OF THE
SELECTOR SWITCH TO THE
CABLE WHICH GOES FROM THE
⓪ POLE OF THE BATTERIES
TO THE TRIGGER.



JOIN TOGETHER THE 11
EXTERIOR LEGS EXCEPTING
THE FIRST ONE.

WELD THE WIRE TO THE
ELECTRONIC CIRCUIT PART
WHICH MAKE CONTACT WITH
THE TRIGGER.

YOU CAN ALSO USE A SINGLE
SWITCH, IT'S EASIER BUT
LESS FUNNY.

⑥ DESIGN

IF YOU GOT THIS FAR, YOU
WILL REALIZE THAT ALL
THAT STUFF DOES NOT FIT
IN THE TOY ANYMORE

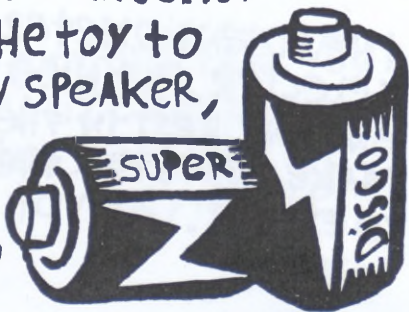
HERE'S YOUR CHANCE TO SHOW
OFF AS A DESIGNER.
A 25 C.D. BOX IS A CLASSIC
YOU DRILL THE TOP AND FIX



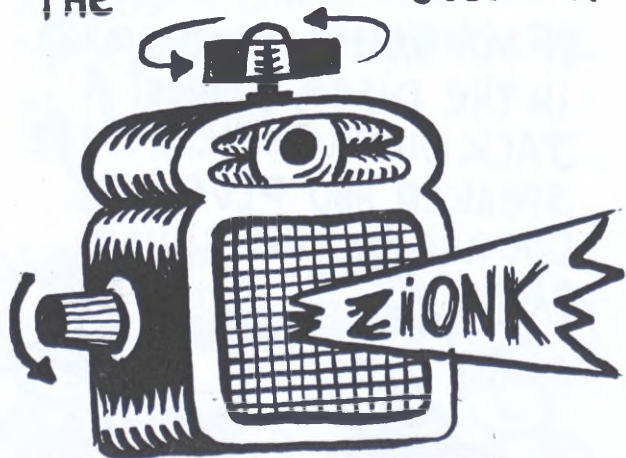
THE POTENTIOMETER AND THE
SELECTOR. PUT NICE BUTTONS
AND THE REST IN THE BOX.
MAKE HOLES FOR THE SOUND
TO ESCAPE.

⑦ SUPER DISCO MODEL

FOR THE "UNPLUGGED TECNO"
KING. GET YOURSELF AN
OLD SPEAKER FROM A GHETTO
BLASTER. DON'T YOU GO TOO
FAR WITH THE SIZE. THE
BIGGER THE SPEAKER, THE
MORE YOU WILL SPEND ON
BATTERIES. CHANGE THE
SPEAKER CONNECTION
FROM THE TOY TO
THE NEW SPEAKER,
AND PUT
BIGGER
BATTERIES



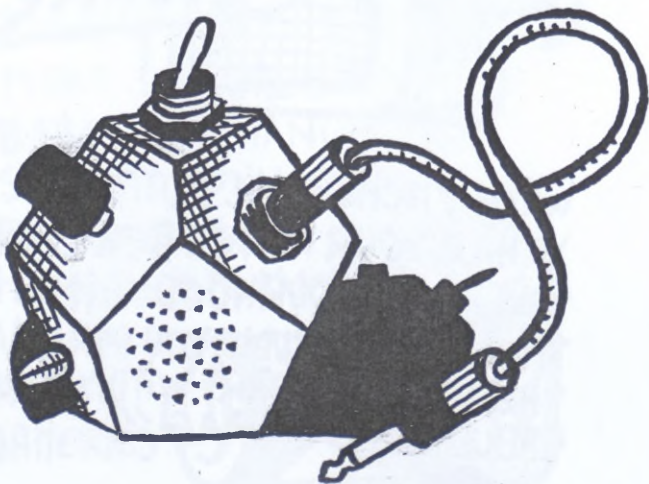
SAME AS WITH THE C.D. BOX,
FIX THE POTENTIOMETER AND
THE SELECTOR



WITH THEIR COOL BUTTONS.
WHILE YOUR MATES BEWILDER
THE NEIGHBOURHOOD WITH
THEIR KETTLEDRUMS, YOU PINCH
THEIR SWEETHEART WITH YOUR
FABULOUS "DOO RAG".

⑧ SUPERCOOL DJ

IF YOU WANT TO STRUT AROUND
IN THE DISCO, CONNECT A
JACK OUTPUT INSTEAD OF THE
SPEAKER AND PLUG THE
DOORAG TO THE SOUND
TABLE.



YOU CAN BOAST OF USING
ANALOGUE, GALATIC, HOME-
MADE, CHINESE, SAMPLES LIKE
↓ **L.C.D.D.** Do.



⑨ ~~THANKS TO~~

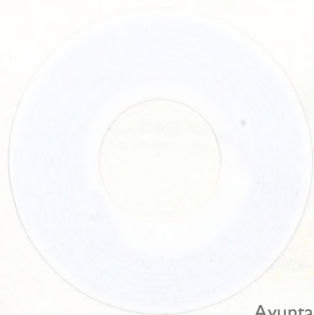
- DOORAG FOR THEIR INSPIRATION.
- FELA BORBONE FOR HIS TECHNICAL TIPS.
- Les CHEVAUX De DÜSSELDORF & SOLEX FOR PLAYING THOSE INSTRUMENTS.

SEND ME A PHOTO OF YOUR DOORAG TO INCLUDE IT IN THE DOORAG BOOKLET.

- SNAIL MAIL: APDO 18280
28080 MADRID
SPAIN

- EMAIL: MAIL.LCDD@GMAIL.COM

~~CHEERS OLAF~~

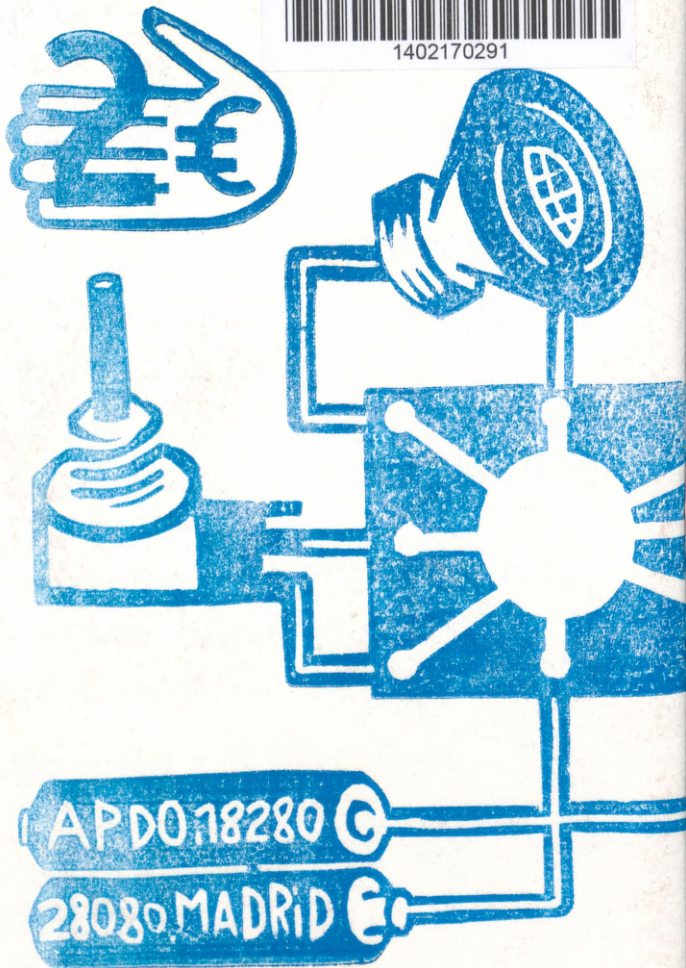


Ayuntamiento de Madrid

AYUNTAMIENTO DE MADRID



1402170291



Ayuntamiento de Madrid