TELEPORTER 2

USER MANUAL

VERSION 2010-001

Dear Customer,

Thank you for choosing the Teleporter-2.

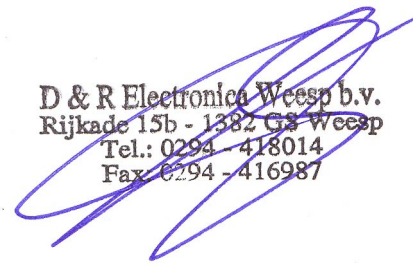
Specialists in the field of Radio/TV Broadcast and audio production designed the Teleporter-2.
It is a system that is capable of working in a multitude of applications.

To be able to improve our products we always value suggestions once you have become familiar with your system. We will certainly learn from your comments and very much appreciate you dropping us a mail at info@d-r.nl

We are confident that you will be using the Teleporter-2 for many years to come, and wish you lots of success in your business.

And… please take some time to read this manual first to avoid unnecessary questions to yourself and to us.

With kind regards,



Duco de Rijk
President

D&R ELECTRONICA WEESP B.V.
Rijnkade 15B
1382 GS WEESP-
The Netherlands
Phone: 0294-418 014
Fax: 0294-416 987
Website: http://www.d-r.nl
E-mail: info@d-r.nl

INTRODUCTION

The Teleporter 2 is the latest analog standard in portable telecommunication for professional reporters, who require communication with their studio without any problems or hassle with batteries.
The Teleporter is a compact reporter unit which can be used to drive domestic phone lines with Mic and line signals.
By intelligent processing in specially designed telecommunication chips we have combined remarkable sound quality with optimum modulation of the telephone line.
The actual use of the Teleporter-2 is very easy due to the wide dynamic range. The internal compressor can handle any incoming signal on the Mic and or line input. A peak led indicator on the front panel makes adjusting of incoming levels a simple task.
Besides the Mic and line input there is also a record output to record telephone conversations at location as well as in the studio. You can use the Teleporter 2 anywhere. Advanced internal circuitry keeps current extremely low, so batteries are not needed. The line voltage can vary between extremes without changing any function and or transmit quality of the Teleporter 2.

RE-DIAL AND REMOTE PROGRAMMING FUNCTIONS ARE STANDARD.
The Teleporter 2 totally replaces all the functions of a modern telephone set. Functions such as tone/mix/pulse selector, internal buzzer, re-dial functions for 23 digits, and 4 programmable functions (A,B,C,D). The P in the dial area stands for Program, The F switch is for Flash, R for Re-dial, and > for PD to DTMF which is a mixed dial function.
Through the A,B,C, and D function switches it is possible to send codes to the studio to activate further automation functions. Both Mic and line signals can be send at the same time.
The MIX control adjusts the balance between incoming and outgoing signals, and the phones control adjusts the level. The "ON" switch connects the Teleporter 2 with the phone lines.
The "BUZZER" switch activates the internal buzzer if needed. The "RING" led indicates a call at any time.
The back panel has metal XLR connectors for Mic, Line and Record in and outputs, and a standardized telephone line connector. The headphone connector is on standard 1/4" jack.
By using the Teleporter 2 you have total control over transmitting your valuable interviews at any time without the risk of running out of batteries during long reports.

SPECIFICATIES:

- Pulse and DTMF dialing.
- 23 digit capacity for re-dialing.
- Memory clear.
- Mixed mode dialing, start with PD and finish with DTMF dialing.
- Dual re-dial buffers for PBAX and public calls.
- Dynamic limiting (speech controlled) is independent of cable length/line voltage.
- Power-down input for improved performance during pulse dial or register recall (flash).
- Line loss compensation.
- Automatic disabling of the DTMF amplifier in extreme low voltage conditions.

DESCRIPTION

The Teleporter 2 is a small unit capable of mixing Mic signals and /or line signals into a two wire telephone line, conform international telephone company standards.
A headphone output provides you with loud and clear signals to and from the Teleporter 2 unit.

The Teleporter 2 unit is powered by the telephone line, there is no battery or external power supply necessary to make the unit work.

It is very easy to use the Teleporter 2.
A standard telephone cable is available at your local Phone shop connects the Teleporter 2 with the telephone system, or an internal telephone switching system. On the back there are 2 female XLR connectors for Mic and line inputs. The male XLR output can feed a tape deck if needed. A stereo jack is provided for feeding the headphones, however the signal is mono.
The Mic input accepts any balanced dynamic microphone. There is no phantom powering available for condenser microphones! The line input is designed to accept Walkman type output levels of cassette players. Both inputs have balanced isolation transformers for ground free connections.
The headphone output accepts high impedance headsets of 600 ohm or higher.

CONTROL SETTINGS

On the front panel of the Teleporter 2 you notice 4 controls.
The Mic and Line knobs control the input levels of the incoming Mic and line signals. A regular flashing LED (positioned between the two input controls) is the optimum adjustment of the level controls. In situations where the input signal is too high and the LVL led lights continuously, an internal limiter holds the level down to avoid distortion. Even if the signal in the headphone set distorts with too high volume settings, the signal sent to the studio will hardly distorted.
The BAL. (balance) control reduces the level coming from the Mic line input to the headphone set. When this control is set counter clockwise, both Mic/line signals and studio return signal are heard. By adjusting the BAL. control the Mic/line signal will be reduced to a certain point depending upon line impedances which may vary from situation to situation.
The BAL. control will not vary the level of the signal sent to the studio!
The PHONES control adjusts the headphone level. The record output produces the same signal as heard on the headphone output, but it is a fixed level.

CONNECTORS

Mic in on Female XL	pin1= ground pin2= Hot pin3= Cold
LINE IN on female XLR	pin1= ground pin2= Hot pin3= Cold
RECORD OUT on male XLR	pin1= ground pin2= Hot pin3= Cold
Phone LINE on RJ 11connector	pin4=A pin3=B
PHONES on stereo jack	Shield=ground Tip= signal Ring=signal

THE "ON" SWITCH.

This switch connects the Teleporter 2 to the telephone line. After hearing the dial tone you can dial the number you want, or you can make a connection between the Teleporter 2 and someone who's calling you.
The associated LED will light on incoming calls and when you push the ON switch.

THE "BUZZER" SWITCH.

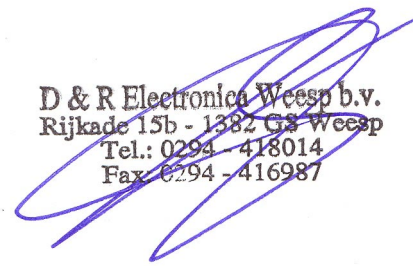
When activated the internal buzzer will buzz during incoming calls. When you do not need the sound of the internal buzzer when called from your station you can switch it off. The RING led will always indicate an incoming call.

THE KEYBOARD

On the surface of the Teleporter 2 you will see all sorts of pushbuttons with specific functions which will be explained in detail.
P= program switch, this switch is capable of deleting the internal redial memory as well as programming the internal memory. Note: Only when the unit is connected to a telephone line!
The ON switch turns the Teleporter 2 on. Then hit the "P" switch, dial the number you want, hit the "F" (flash) switch and the number is stored.
F= Flash switch, this switch disconnects the line for about 100mSec, which means that the connection with the Telephone line is still available and that you are not losing your connection for dialing another number. Through an internal switching system you can get an extra line with this Flash switch. By hitting the Flash switch during an already made connection you temporarily disconnect your connection, a new dial tone will be heard and a new connection can be made to a new number.
By depressing the Flash switch again the "old" connection will be restored. This system will only work with switching systems with more than one line.
R= redial. The redial function activates the last used number on the Teleporter 2. The memory will only be available when the unit is connected to the telephone line.
Depressing this switch changes the dial function. This function is only available with the TMP switch in its mid position. The switch changes the dial mode from pulse to tone.
TMP= This is the main switch for Pulse or Tone mode, or a mix of these two settings (M).
In **T** mode a tone dialing system is active. In **P** mode a pulse dialing system is active. In the **M** mode the Teleporter 2 will automatically start functioning in the Pulse mode.
The A,B,C, en D function switches could be practical when you need to make calls to databanks.
We hope that this unit will ease your job as a reporter and look forward to hear from you if there is any comment on this unit in field use.

Geachte klant,

Wij danken u hartelijk voor uw keuze en het vertrouwen dat u in ons product stelt.
U deed een goede keus, dit product is ontworpen door en voor professionele gebruikers.
Er is gebruik gemaakt van onze enorme "know how" in mengtafel en signaal processor technieken en dit gecombineerd met hoogwaardige componenten geeft u de zekerheid van een lange gebruiksduur.
Bovenstaande eigenschappen resulteren in een zeer betrouwbaar en Bedrijfszeker eindproduct.
Deze gebruiksaanwijzing helpt u in het optimaal benutten van alle mogelijkheden die dit product in zich heeft.
Mocht u nog vragen hebben dan kunt u zich altijd tot onze dealers wenden en in uiterste nood tot ons.



Duco de Rijk
Directeur

D&R ELECTRONICA WEESP B.V.
Rijnkade 15B
1382 GS WEESP-
The Netherlands
Phone: 0294-418 014
Fax: 0294-416 987
Website: http://www.d-r.nl
E-mail: info@d-r.nl

GEBRUIKSAANWIJZING

De Teleporter-2 is een klein en handig apparaat om laagniveau signalen te versterken afkomstig van een microfoon en/of een band of cassette recorder.
Ook biedt de Teleporter 2 de mogelijkheid om signalen te mengen en een uitgangssignaal te geven dat conform de PTT en omroepnormen is. Er kunnen tevens opnamen gemaakt worden van telefoongesprekken voor latere doorzending naar de studio.
De bediening van de Teleporter 2 is ondanks zijn vele mogelijkheden zeer eenvoudig.
Een standaard telefoonkabel (te verkrijgen bij uw PTT winkel of soortgelijke zaken) verbindt uw Teleporter2 aan het telefoonnet, dan wel met een interne huiscentrale.
Verder vindt u aan de achterzijde een female XLR connector voor de microfoon, en voor uw lijnsignalen en een Male XLR voor verbinding met een cassettedeck voor registratie van gesprekken. Een stereo jack verzorgt de signalen naar een stereokoptelefoon, de audio is echter mono .
De microfoon ingang is uitgevoerd met een XLR connector. Elke ons bekende microfoon kan op deze connector aangesloten worden. Er is slechts een uitzondering in het geval dat de microfoon fantoomvoeding nodig heeft, er dient dan een externe fantoom voeding aangesloten te worden alvorens het signaal op de Teleporter-2 aan te sluiten. Wij raden echter aan een dynamische microfoon te gebruiken. De ingang is gebalanceerd uitgevoerd. De tape ingang is eveneens uitgevoerd met een XLR connector en is geschikt voor iedere cassette recorder of walkman-achtig player.

INSTELLINGEN VAN DE TELEPORTER-2.

Op de voorzijde van de Teleporter bevinden zich vier draaiknoppen waarmee u onder andere het niveau van de microfoon en/of tape in kunt stellen. Een optimale instelling wordt verkregen door het niveau zover op te draaien tot de peak led regelmatig oplicht. Indien door een te hoge instelling de peak led continu gaat branden dan wordt het signaal door een ingebouwde limiter begrenst om vervorming te voorkomen.
Verder ziet u een "MIX" regelaar, die de verhouding tussen het inkomend en uitgaand signaal regelt wat u op de koptelefoon hoort. *Dus niet het uitgaande niveau naar de studio!*
De laatste knop "PHONES" regelt het level in uw koptelefoon.

DE “ON” SCHAKELAAR

Met deze schakelaar maakt u een verbinding met het telefoonnet, waarna u een nummer kunt kiezen, of een binnenkomende lijn kunt oppakken. de bijbehorende led geeft aan dat er spanning op de lijn is.

DE “BUZZER" SCHAKELAAR

Ingedrukt schakelt u de interne buzzer aan. Uitgeschakeld een handige feature bij het verslaan van bijvoorbeeld biljart wedstrijden waar het niet gewenst is dat er geluid gemaakt wordt als uw studio u terugbelt uit kosten overwegingen. De bijbehorende led (RING) brandt altijd als de Teleporter-2 "gebeld" wordt.

HET TOETSEN VELD

Aan de bovenkant van de Teleporter-2 vindt u de druktoetsen zoals op ieder normaal telefoontoestel. De zwarte toetsen vertegenwoordigen de bekende cijferreeks met daarbij het "sterretje" en het "hekje" De overige grijze toetsen vertegenwoordigen de volgende functies.

P= programmeertoets, die instaat is het interne re-dial geheugen leeg te maken, dan wel het interne geheugen te programmeren zonder een verbinding tot stand te brengen.
U zet de Teleporter-2 aan door de "ON" toets te activeren. Hierna drukt u op de "P" toets.
Type nu het gewenste nummer in, druk hierna op Flash (**F**) en het geheugen is geprogrammeerd.

F= de Flashtoets verbreekt de lijn slechts 100msec waardoor de verbinding met de centrale en het mogelijk verliezen van uw netlijn voorkomen wordt. Tevens kunt u met deze toets via een centrale een extra buitenlijn kiezen. U gaat als volgt te werk, tijdens de reeds gemaakte verbinding drukt u op de Flash toets waarna de verbinding schijnbaar verbroken is, en een nieuwe netlijn zich aandient. Door nogmaals op de Flash toets te drukken krijgt u uw "oude" verbinding weer terug. Dit kan echter alleen bij interne centrales met meerdere lijnen.

R= re-dial. Deze toets herhaalt het laatst gekozen nummer. LET OP, het geheugen wordt leeggemaakt door o.a. het afkoppelen van de Teleporter-2 van het telefoonnet. Dit komt doordat de Teleporter2 (gelukkig) geen interne batterijen heeft.
>= Het veranderen van de kies funktie. Deze functie is alleen bruikbaar in de middenstand van de TMP schakelaar linksboven op uw Teleporter-2. Deze toets wijzigt de kiesprocedure van "Puls" naar Tone .

TMP= de hoofdkeuze schakelaar voor Puls, Tone, en een gemixte situatie (M). Indien u de M gekozen heeft start de Teleporter-2 automatisch op in de Puls mode.
De A,B,C, en D functietoetsen zijn nodig bij het bellen naar computer databanken . **DE**

IN/UITGANGEN

Een speciale transformator in de Teleporter-2 zorgt voor een perfecte symmetrische aardvrij telefoon aanpassing aan de telefoonlijn. De Teleporter-2 uitgang voldoet aan de gestelde PTT en omroepnormen.
Linksop de achterkant van de Teleporter-2 bevindt zich de head phone uitgang. Deze uitgang is geschikt om een hoogohmige koptelefoon aan te sluiten, waardoor het mogelijk is om het weggestuurde en inkomende signalen te beluisteren.

Wij hopen dat u veel plezier en praktisch nut zult beleven aan de nieuwe Teleporter-2

SPECIFICATIES:

- Pulse and DTMF dialing.
- 23 digit capacity for re-dialing.
- Memory clear.
- Mixed mode dialing, start with PD and finish with DTMF dialing.
- Dual re-dial buffers for PBAX and public calls.
- Dynamic limiting (speech controlled) is independent of cable length/line voltage. Power-down input for improved performance during pulse dial or register recall (flash).
- Line loss compensation.
- Automatic disabling of the DTMF amplifier in extreme low voltage conditions.

CONNECTORS

Mic in on Female XL	pin1= ground pin2= Hot pin3= Cold
LINE IN on female XLR	pin1= ground pin2= Hot pin3= Cold
RECORD OUT on male XLR	pin1= ground pin2= Hot pin3= Cold
Phone LINE on RJ 11connector	pin4=A pin3=B
PHONES on stereo jack	Shield=ground Tip= signal Ring=signal

DECLARATION OF CONFORMITY

Manufacturers Name: D&R Electronica Weesp b.v.
Manufacturers Address: Rijnkade 1 5B,
1382 GS Weesp,
The Netherlands

declares that the product

Teleporter-2

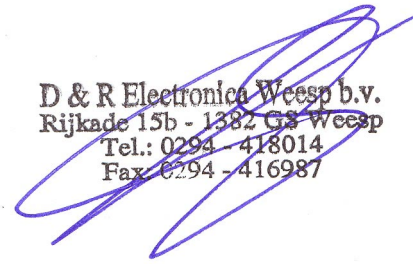
conforms to the following product specifications:

EMC: EN 55022: 1987
CISPR 22 (1993) class B
EN 500082-1 (1992)

Supplementary Information:

The products herewith complies with the requirements of the EMC Directive 89/336/EEC (1989) as amended by the CE Marking Directive 93/68/EEC (1993).

D&R Electronica Weesp b.v.
Rijnkade 15 B
1382 GS WEESP
The Netherlands



President

PRODUCT SAFETY

This product is manufactured with the highest standards and is double checked in our quality control department for reliability in the "HIGH VOLTAGE" section.

CAUTION

Never remove any panels, or open this equipment. No user serviceable parts inside. Equipment power supply must be grounded at all times. Only use this product as described, in user manual or brochure. Do not operate this equipment in high humidity or expose it to water or other liquids. Check the AC power supply cable to assure secure contact. Have your equipment checked yearly by a qualified dealer service center. Hazardous electrical shock can be avoided by carefully following the above rules.

EXTRA CAUTION FOR LIVE SOUND

Ground all equipment using the ground pin in the AC power supply cable.
Never remove this pin. Ground loops should be eliminated only by use of isolation transformers for all inputs and outputs. Replace any blown fuse with the same type and rating only after equipment has been disconnected from AC power. If problem persists, return equipment to qualified service technician

PLEASE READ THE FOLLOWING INFORMATION

Especially in sound equipment on stage the following information is essential to know.
An electrical shock is caused by voltage and current, actually it is the current that causes the shock. In practice the higher the voltage the higher the current will be and the higher the shock.
But there is another thing to consider and it is resistance. When the resistance in Ohms is high between two poles, the current will be low and vice versa. All three of these; voltage, current. and resistance are important in determining the effect of an electrical shock.

However, the severity of a shock primarily determined by the amount of current flowing through a person.
A person can feel a shock because the muscles in a body respond to electrical current and because the heart is a muscle it can affect, when the current is high enough.
Current can also be fatal when it causes the chest muscles to contract and stop breathing. At what potential is current dangerous. Well the first feeling of current is a tingle at 0.00 1 Amp of current. The current between 0.1 Amp and 0.2 Amp is fatal. Imagine that your home fuses of 20 Amp can handle 200 times more current than is necessary to kill. How does resistance affect the shock a person feels. A typical resistance between one hand to the other in "dry" condition could well over 100,000 Ohm. And last but not least be careful not to touch a person being shocked as you, yourself could also be shocked. Once removed from the shock, have someone send for medical help immediately.

Always keep the above mentioned information in mind when using electrically powered equipment.

D&R ELECTRONICA WEESP B.V.
Rijnkade 15 11, 1382 GS WEESP
The Netherlands
Phone +31 294-418014
Fax: +31 294-416987
Email: info@d-r.nl
Website: www.d-r.nl

"TELEPORTER 2"

SERVICE MANUAL

Date: 18-08-9918-08-99 [[14:5514:55]] B I L L O F M A T E R I A L

D & R Electronica Weesp BV (SERVICE-MANUAL) Comp: 100

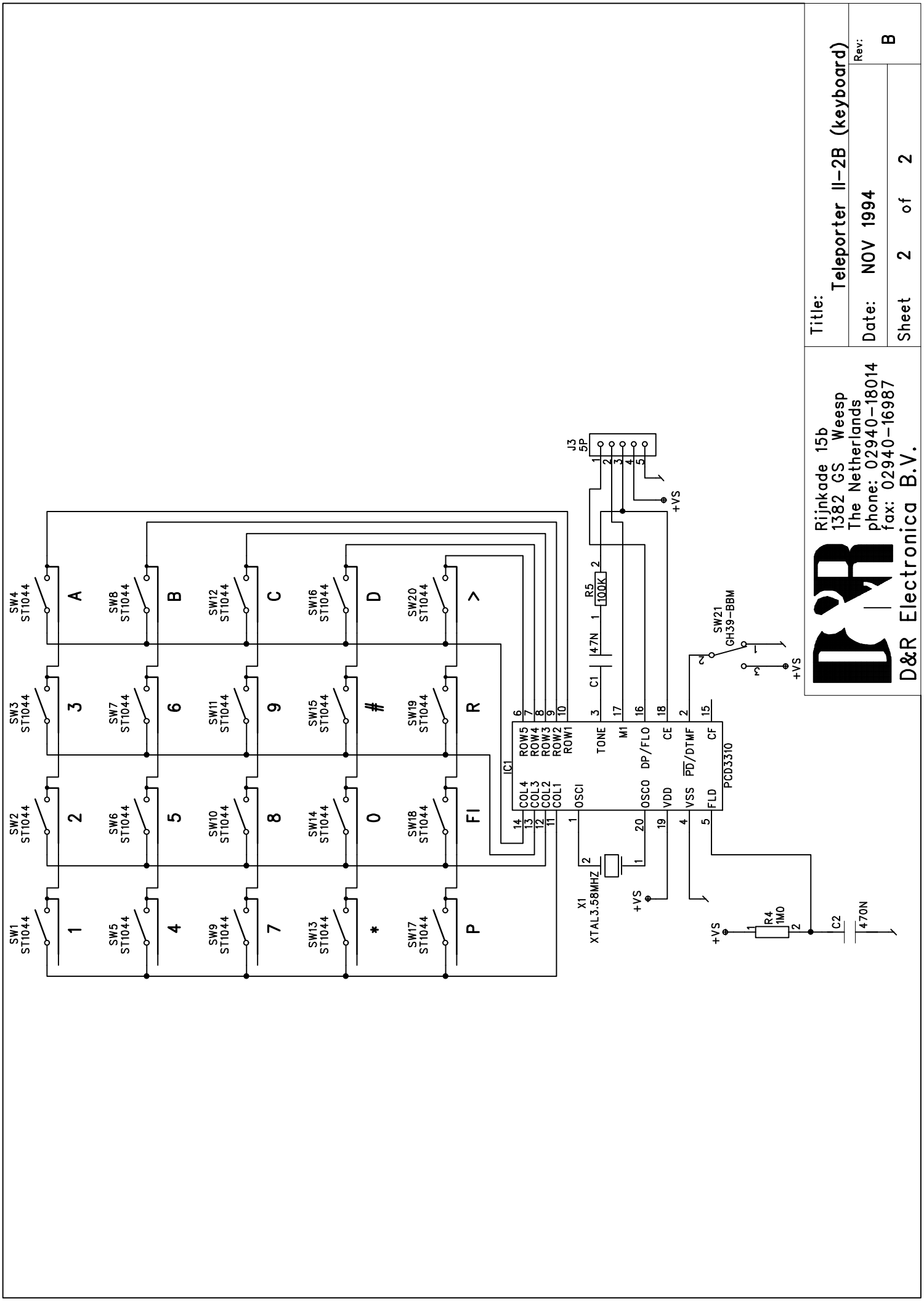
91928503 Teleporter II (reporter-unit)

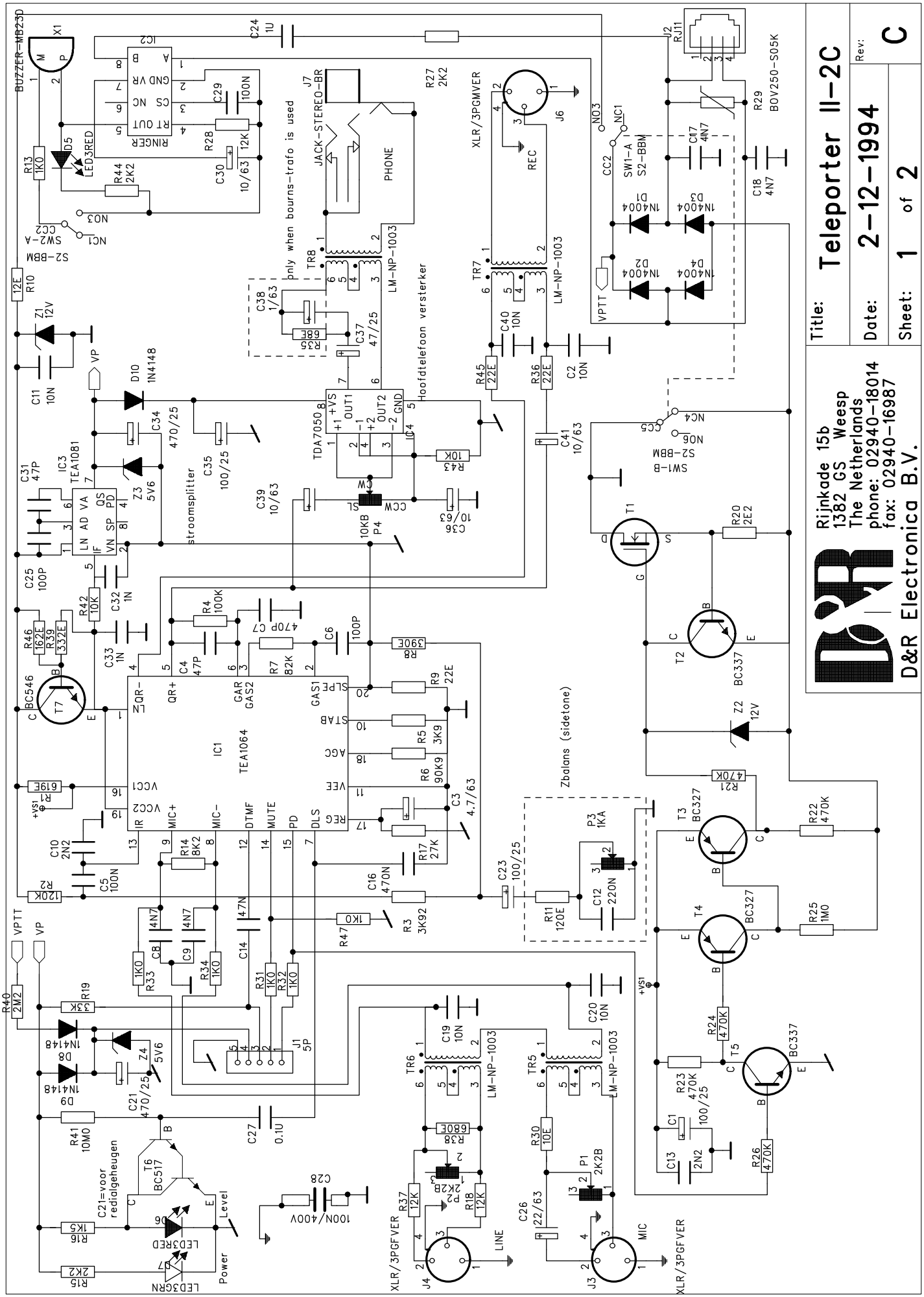
91928503 Teleporter II (reporter-unit)

Articlecode	Description	Quantity	Unit
...10350517	Weerstand 0E 5% 1/4W	9.0000	st
..10400221	Condensator ker 47p R2.5	2.0000	st
..10400225	Condensator ker 100p R2.5	2.0000	st
..10400232	Condensator ker 470p R2.5	1.0000	st
..10401241	Condensator ker 100nF/50V R5 T	1.0000	st
..10401246	Condensator poly 1n0 R5.0	2.0000	st
..10401268	Condensator poly 1uF R5.0	1.0000	st
..10401248	Condensator poly 2n2 R5.0	2.0000	st
..10401250	Condensator poly 4n7 R5.0	4.0000	st
..10401253	Condensator poly 10n R5.0	5.0000	st
..10401258	Condensator poly 47n R5.0	2.0000	st
..10401261	Condensator poly 100n R5.0	2.0000	st
..10400269	Condensator poly 220n R5.0	1.0000	st
..10400270	Condensator poly 470n R5.0	2.0000	st
..10400315	Condensator poly 100N/400 R15	1.0000	st
..10600445	Connector chass 805-D 4p(RJ11)	1.0000	st
..10250343	Diode 1N4004 (rectifier)	4.0000	st
..10250342	Diode 1N4148 (signaal)	3.0000	st
..10400279	Elco 1uF / 63V radiaal R5.0	1.0000	st
..10400284	Elco 10uF / 50V radiaal R5.0	4.0000	st
..10400286	Elco 22uF / 50V radiaal R5.0	1.0000	st
..10400287	Elco 47uF / 25V radiaal R5.0	1.0000	st
..10400292	Elco 100uF / 25V radiaal R5.0	3.0000	st
..10400281	Elco 4.7uF / 50V radiaal R5.0	1.0000	st
..10400294	Elco 470uF / 25V radiaal R5.0	2.0000	st
..10250270	Fet BST76a /BS107 (Nch switch)	1.0000	st
..10600514	Header 5p 2.54 lock haaks	2.0000	st
..10250055	Ic LS 1240 (ringer)	1.0000	st
..10250044	Ic PCD3310P (pulseDTMFdialler)	1.0000	st
..10250052	Ic TDA7050 (amplifier)	1.0000	st
..10250045	Ic TEA1064 (telephone circuit)	1.0000	st
..10250053	Ic TEA1081 (current splitter)	1.0000	st
..10600394	Ic-voet 8 pins (vork-contact)	3.0000	st
..10600398	Ic-voet 20 pins (vork-contact)	2.0000	st
..10600432	Jack chassis break	1.0000	st
..10250394	Kristal 3.579545 MHz	1.0000	st
..10970010	Piezo buzzer PCPMB23D	1.0000	st
..10300791	Potm 12 1x1KA lin	1.0000	st
..10300983	Potm 12 1x2K2B log	2.0000	st
..10300897	Potm.12 1x10KA lin	1.0000	st
..10200410	Print Teleporter2-1b(keyboard)	1.0000	st

..10200415	Print Teleporter2-2c (main)	1.0000 | st
..10550400	Schakelaar Alps 2p-ns (2 x om)	2.0000 | st
..10550009	Schakelaar ST1044(gr)momentary	8.0000 | st
..10550008	Schakelaar ST1044(zw)momentary	12.0000 | st
..10550015	Schakelaar TS-14C slidesw 101	1.0000 | st
..10950018	Trafo LM-NP-1003-B (PTT line)	4.0000 | st
..10250333	Transistor BC-327/25 (pnp)	2.0000 | st
..10250332	Transistor BC-337/25 tape(npn)	1.0000 | st
..10250326	Transistor BC-517 (npn)	1.0000 | st
..10250328	Transistor BC-546B (npn)	1.0000 | st
..10350765	Weerstand 1M0 5% 1/4W	2.0000 | st
..10350729	Weerstand 1k0 5% 1/4W	6.0000 | st
..10350731	Weerstand 1k5 5% 1/4W	1.0000 | st
..10350703	Weerstand 2E2 5% 1/4W	1.0000 | st
..10350768	Weerstand 2M2 5% 1/4W	1.0000 | st
..10350733	Weerstand 2k2 5% 1/4W	3.0000 | st
..10350736	Weerstand 3k9 5% 1/4W	1.0000 | st
..10350840	Weerstand 3k92 1% 1/4W	1.0000 | st
..10350740	Weerstand 8k2 5% 1/4W	1.0000 | st
..10350705	Weerstand 10E 5% 1/4W	1.0000 | st
..10350776	Weerstand 10M0 5% 1/4W	1.0000 | st
..10350741	Weerstand 10k 5% 1/4W	2.0000 | st
..10350706	Weerstand 12E 5% 1/4W	1.0000 | st
..10350742	Weerstand 12k 5% 1/4W	3.0000 | st
..10350709	Weerstand 22E 5% 1/4W	3.0000 | st
..10350746	Weerstand 27k 5% 1/4W	1.0000 | st
..10350747	Weerstand 33k 5% 1/4W	1.0000 | st
..10350715	Weerstand 68E 5% 1/4W	1.0000 | st
..10350752	Weerstand 82k 5% 1/4W	1.0000 | st
..10350799	Weerstand 90k9 1% 1/4W	1.0000 | st
..10350753	Weerstand 100K 5% 1/4W	2.0000 | st
..10350718	Weerstand 120E 5% 1/4W	1.0000 | st
..10350754	Weerstand 120K 5% 1/4W	1.0000 | st
..10350811	Weerstand 162E 1% 1/4W	1.0000 | st
..10350816	Weerstand 332E 1% 1/4W	1.0000 | st
..10350724	Weerstand 390E 5% 1/4W	1.0000 | st
..10350761	Weerstand 470k 5% 1/4W	5.0000 | st
..10350823	Weerstand 619E 1% 1/4W	1.0000 | st
..10350727	Weerstand 680E 5% 1/4W	1.0000 | st
..10350002	Weerstand vdr SIOV-S05K250	1.0000 | st
..10600425	XLR chas fem NC3FDH alu pcb	2.0000 | st
..10600234	XLR chas mal NC3MDH alu pcb	1.0000 | st
..10250351	Zenerdiode 5V6 / 400mW	2.0000 | st
..10250353	Zenerdiode 12V0 / 1W	1.0000 | st
.10600155	Conn. assembly 5P (multicore)	1.0000 | st
.10450153	Deksel SiFam 11mm black/5bulk	1.0000 | st
.10450182	Deksel SiFam 11mm blue bulk	1.0000 | st
.10450195	Deksel SiFam 11mm gray bulk	1.0000 | st
.10450152	Deksel SiFam 11mm red/7 bulk	1.0000 | st
.10800927	Doos Teleporter2 220x210x110mm	1.0000 | st
.10100490	Kast Teleporter 2/c	1.0000 | st

.10450251	Knop Druktoets 3.3 black-squar	1.0000 | st
.10450252	Knop Druktoets 3.3 red-square	1.0000 | st
.10450104	Knop SiFam grey D-shaft(11mm)	4.0000 | st
.10250386	Led 3mm green SLR-03A210-020	1.0000 | st
.10250387	Led 3mm red SLR-03A510-020	2.0000 | st
.10700656	Plakvoet bouton zwart (10x10)	4.0000 | st
.20850311	Print bestukt Teleporter2-1	1.0000 | st
.20850312	Print bestukt Teleporter2-2	1.0000 | st
.10700786	Taptite M3x5 verzkop/pozidr/zw	18.0000 | st
.10700787	Taptite M3x6 bolkoppozidr/zwrt	2.0000 | st
60898503	Teleporter II + verpakking	1.0000 | st


Title:
Teleporter II-2B (keyboard)
Rev: B
Date: NOV 1994
Sheet 2 of 2
D&R Electronica B.V.
Rijnkade 15b
1382 GS Weesp
The Netherlands
phone: 02940-18014
fax: 02940-16987
SW1 ST1044
SW2 ST1044
SW3 ST1044
SW4 ST1044
SW5 ST1044
SW6 ST1044
SW7 ST1044
SW8 ST1044
SW9 ST1044
SW10 ST1044
SW11 ST1044
SW12 ST1044
SW13 ST1044
SW14 ST1044
SW15 ST1044
SW16 ST1044
SW17 ST1044
SW18 ST1044
SW19 ST1044
SW20 ST1044
1
2
3
A
4
5
6
B
7
8
9
C
*
0
#
D
P
FI
R
>
IC1
PCD3310
ROW5
ROW4
ROW3
ROW2
ROW1
COL4
COL3
COL2
COL1
OSCI
OSCO
VDD
VSS
FLD
TONE
DP/FLO
PD/DTMF
CF
CE
M1
J3
5P
+VS
R5
100K
C1
47N
SW21
GH39-BBM
X1
XTAL3.58MHZ
R4
1MO
C2
470N


Title: Teleporter II-2C
Date: 2-12-1994
Sheet: 1 of 2
Rev: C
D&R Electronica B.V.
Rijnkade 15b
1382 GS Weesp
The Netherlands
phone: 02940-18014
fax: 02940-16987
IC1 TEA1064
IC3 TEA1081
TDA7050
Hoofdtelefoon versterker
stroomsplitter
Zbalans (sidetone)
only when bourns-trafo is used
JACK-STEREO-BR
PHONE
XLR/3PGMVER
REC
LINE
MIC
XLR/3PGFVER
LM-NP-1003
BUZZER-MB23D
RINGER
SW1-A S2-BBM
SW2-A S2-BBM
SW1-B S2-BBM
BOV250-S05K
LED3RED
LED3GRN
Level
Power
VP
VPTT