

Junghanns.NET singleE1 ISDN CARD

HELLO!

MY NAME IS BILL AND I WILL GUIDE YOU THROUGH THE INSTALLATION OF JUNGHANNS-NET SINGLEE1 CARD-

THANK YOU FOR CHOOSING A JUNGHANNS-NET ISDN INTERFACE CARD!



PREPARING THE INSTALLATION:

PLEASE MAKE SURE THAT YOU HAVE THE LINUX KERNEL SOURCES OF YOUR PRESENT KERNEL INSTALLED AND CONFIGURED PROPERLY ON YOUR SYSTEM.

BRISTUFF REQUIRES THE FOLLOWING PACKAGES INSTALLED ON YOUR SYSTEM:

FOR SUSE LINUX:

- gcc
- OpenSSL
- OpenSSL-dev
- wget

Installation with YaST

FOR DEBIAN:

- build-essential
- libncurses5-dev
- libssl-dev
- wget

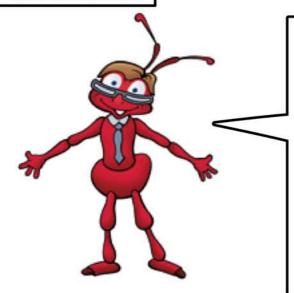
Server:~ # apt-get install build-essential libncurses5-dev libssl-dev wget

ADDITIONALLY YOUR COMPUTER HAS TO BE CONNECTED TO THE INTERNET.



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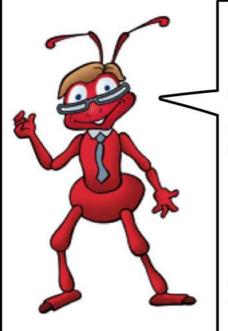
TASK SUMMARY:



TO INSTALL THE JUNGHANNS-NET SINGLEE1 CARD, YOU HAVE TO FOLLOW THESE GENERAL STEPS:

- 1. CONFIGURE THE JUMPER SETTINGS ON YOUR JUNGHANNS-NET SINGLEEL CARD
- 2. INSTALL THE JUNGHANNS-NET SINGLEED CARD IN YOUR COMPUTER
- 3. INSTALL THE DRIVERS AND CONFIGURE THE CARD FOR YOUR OPERATING SYSTEM

1. JUMPERSETTINGS



SO LET'S START WITH THE JUMPERSETTINGS!

THE FOLLOWING JUMPERS MUST BE CONFIGURED ON THE CARD:

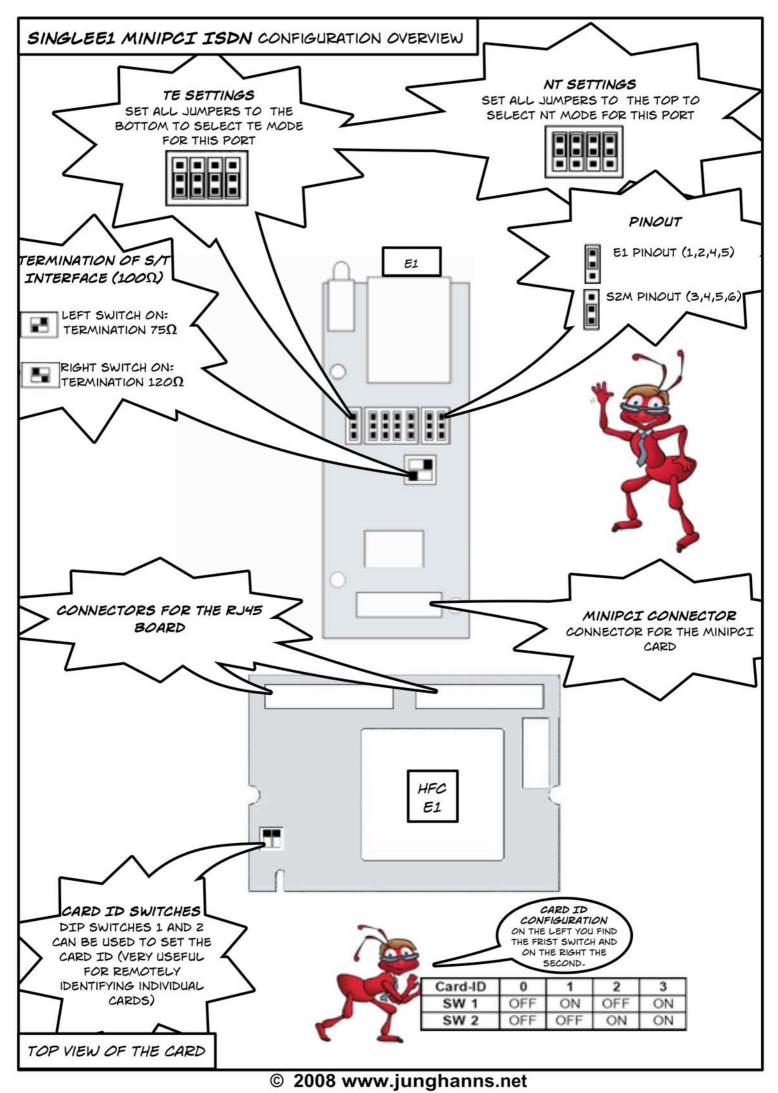
- 1. NT/TE SETTINGS.
- 2. TERMINATION OF S/T INTERFACE.
- 3. CARD SWITCHES
- 4- PINOUT

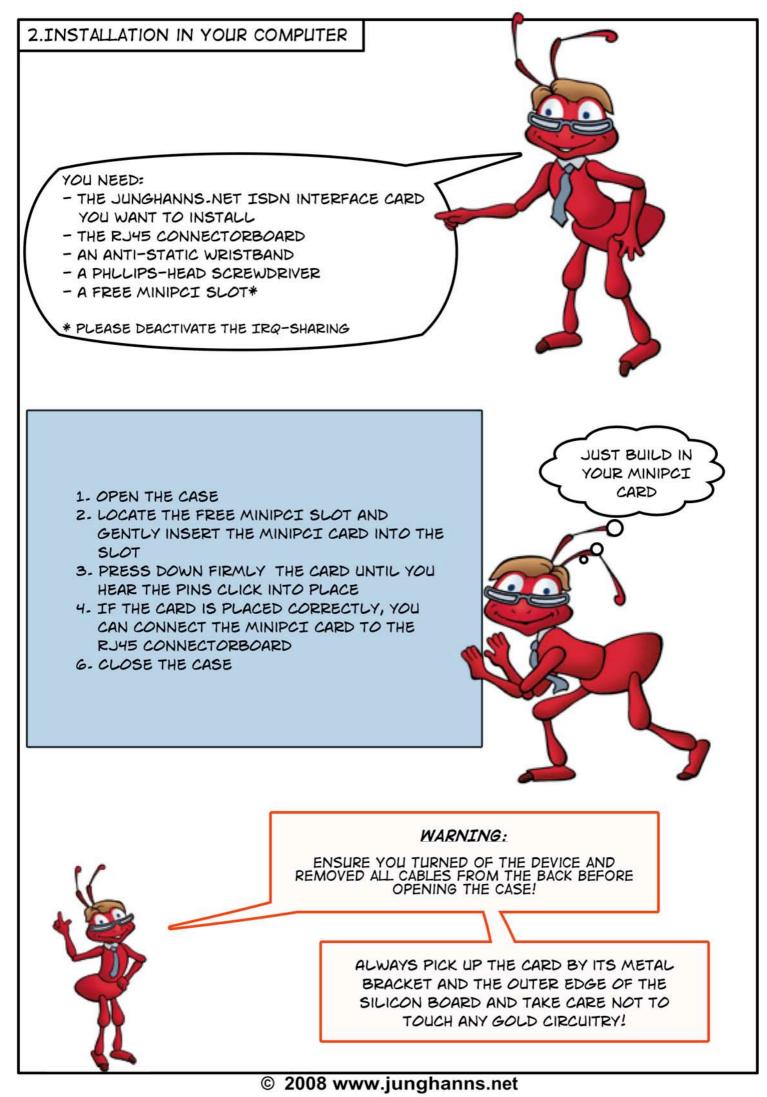
NOTE: FOR MOST USERS ONLY NT/TE SETTINGS ARE IMPORTANT TO LET THE CARD WORK PROPERLY.

WARNING:

ENSURE THE RIGHT SETTING OF JUMPERS TO PREVENT DAMAGE ON YOUR ISDN AND COMPUTER EQUIPMENT.







3. CONFIGURE AND INSTALL THE DRIVERS

AT FIRST FIND OUT THE LATEST BRISTUFF DRIVER VERSION AT OUR WEBSITE:

http://www.junghanns.net/en/download.html



TO INSTALL THE BRISTUFF DRIVERS FOR YOUR CARD PLEASE LOGIN TO YOUR COMPUTER AS **ROOT**.

IN THE FOLLOWING STEPS YOU REPLACE "<VERSION>" WITH THE LATEST VERSION NUMBER, E.G. 0.3.0-PRE-1y-q

CHANGE THE DIRECTORY TO /UST/STC/:

Server: ~ # cd /usr/src/

DOWNLOAD THE BRISTUFF DRIVERS:

Server:~ # wget http://www.junghanns.net/downloads/
bristuff-<version>.tar.gz

EXECUTE THE "TAR" COMMAND TO DECOMPRESS THE DRIVER FILES:

Server:~ # tar xvf bristuff-<version>.tar.qz

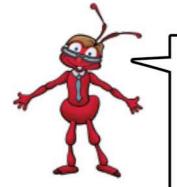
NOW RUN THE FOLLOWING COMMANDS TO INSTALL THE BRISTUFF AND ASTERISK DRIVERS:

Server:~ # cd /usr/src/bristuff-<version>/

Server: ~ # ./install.sh

DURING THE INSTALLATION YOU HAVE TO PRESS (ENTER) A FEW TIMES. IF THERE WERE NO ERRORS DURING THE INSTALLATION PROCESS THE INSTALLATION HAD BEEN SUCCESSFULL.

4. COPY THE CONFIGURATION FILES



NOW WE NEED TO COPY SOME CONFIGURATION FILES.
COPY THE CWAIN/ZAPATA.CONF TO /ETC/ASTERISK AND COPY THE
CWAIN/ZAPTEL.CONF FILE TO /ETC

Server:~ # cd /usr/src/bristuff-<version>/
Server:~ # cp cwain/zapata.conf /etc/asterisk
Server:~ # cp cwain/zaptel.conf /etc

THE INSTALLATION OF THE DRIVERS IS COMPLETED AT THIS POINT. NOW WE ARE ABLE TO LOAD THE DRIVERS.

TO LOAD THE DRIVERS WE HAVE TO RUN THE FOLLOWING COMMANDS:

Server:~ # modprobe cwain
Server:~ # ztcfg

IF THE DRIVERS WERE INSTALLED CORRECTLY, THE LIGHTS ON THE CARD WILL TURN ON AFTER YOU HAVE LOADED THE DRIVERS.

WARNING:

IF YOU HAVE ANY OTHER ZAPTEL DEVICE IN YOUR MACHINE THEN MAKE SURE THAT ZTCFG ONLY RUNS ONCE! (OR RUN ZTCFG -S AND THEN ZTCFG AGAIN)



TO START YOUR ASTERISK CLI JUST RUN THE FOLLOWING COMMAND:

Server:~ # asterisk -vvvgc

SO WE ARE DONE AND ALL I HAVE TO SAY IS HAVE FUN AND GOOD BYE. SEE YOU NEXT TIME, YOUR ANT BILL.

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