Junghanns.NET quadBRIexpress ISDN CARD

## HELLO!

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

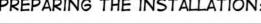
Installation mit Hile von YaST

### FOR DEBIAN:

- build-essential
- ncurses-dev
- libssl-dev
- wget

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

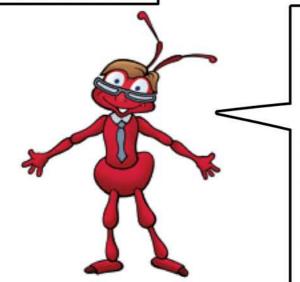
ADDITIONALLY YOUR COMPUTER HAS TO BE CONNECTED TO THE INTERNET.





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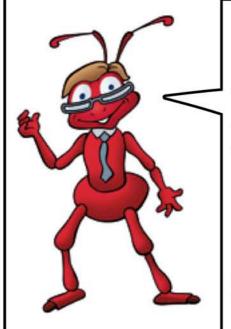
# TASK SUMMARY:



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

- 1. CONFIGURE THE JUMPER SETTINGS ON YOUR JUNGHANNS-NET QUADBRIEXPRESS CARD
- 2. INSTALL THE JUNGHANNS-NET QUADBRIEXPRESS 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:

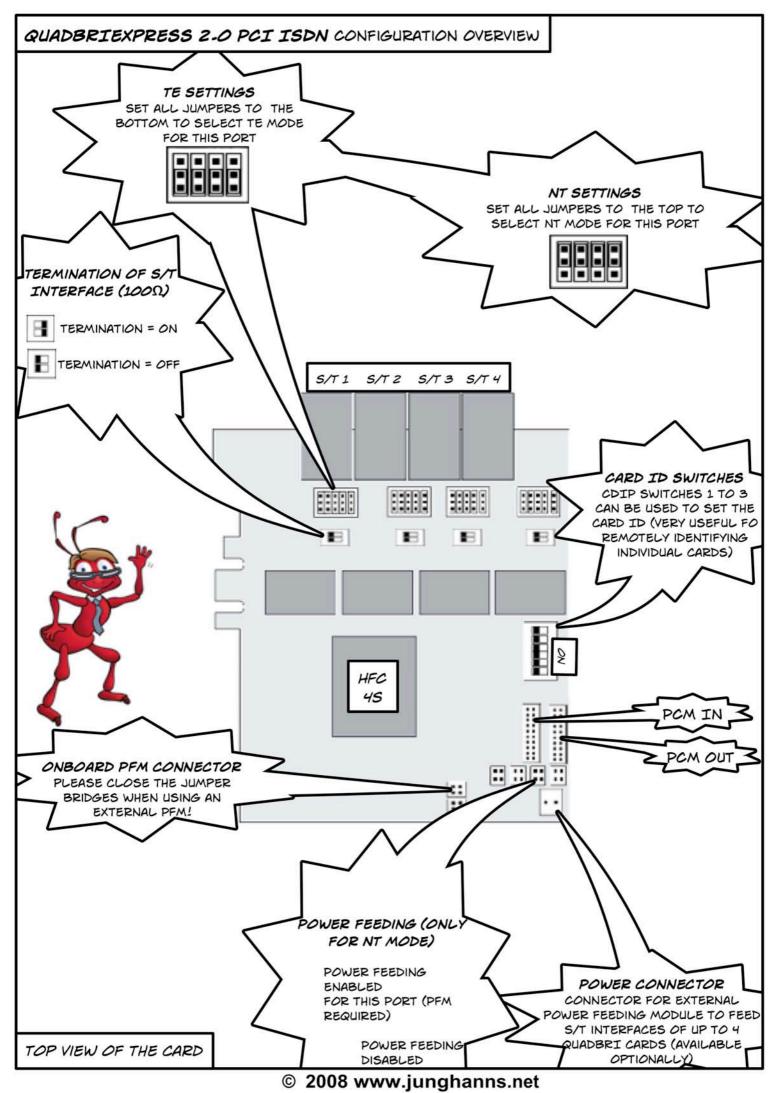
- 1. NT/TE SETTINGS.
- 2. TERMINATION OF S/T INTERFACE.
- 3. POWER FEEDING
- 4- CARD SWITCHES

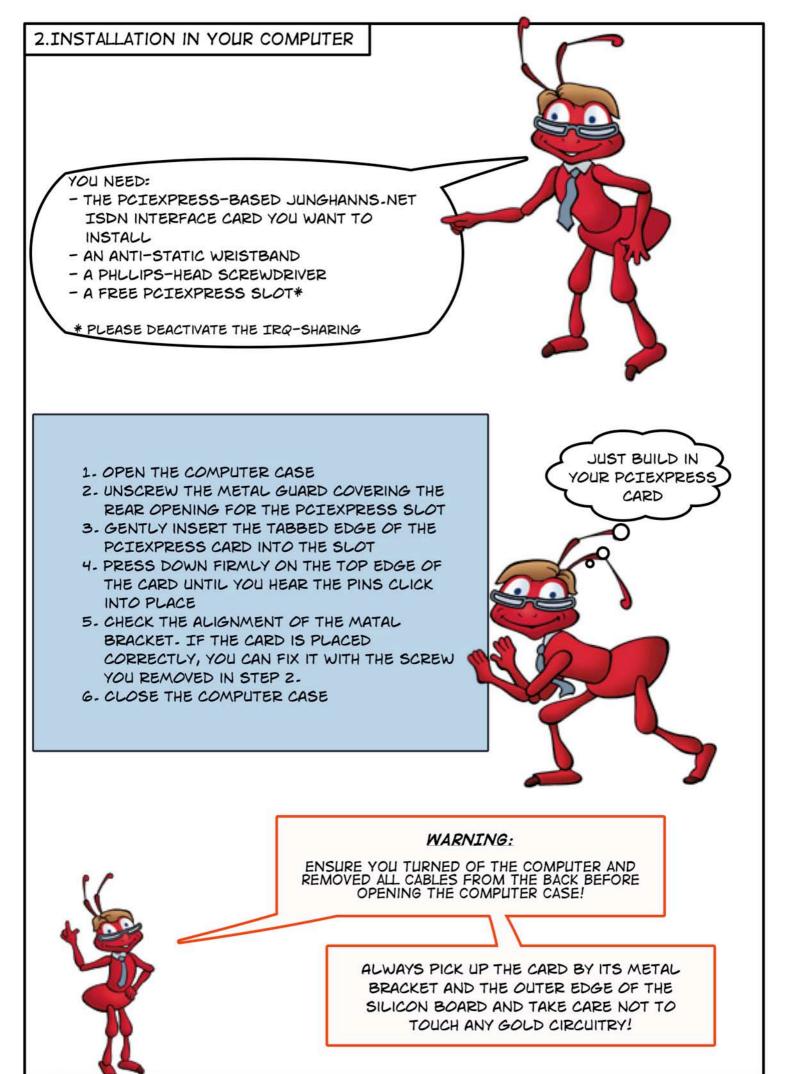
NOTE: FOR MOST USERS ONLY NT/TE SETTINGS ARE IMPORTANT TO LET THE CARD WORK PROPERLY.

## WARNING:

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







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# 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.gz

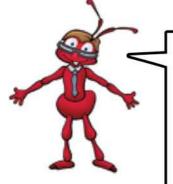
NOW RUN THE FOLLOWING COMMANDS TO INSTALL THE BRISTUFF AND ASTERISK DRIVERS:

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 QOZAP/ZAPATA-CONF TO /ETC/ASTERISK AND COPY THE
QOZAP/ZAPTEL-CONF FILE TO /ETC

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

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

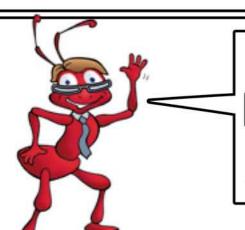
TO LOAD THE DRIVERS WE HAVE TO RUN THE FOLLOWING COMMANDS:

Server:~ # modprobe qozap
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.