Quick Guide for the V-Tap ISDN PRI

The V-Tap ISDN PRI is a device that can record the calls from an ISDN-30 E1 line.

The recorded calls are stored onto an SD card and can optionally be sent to an external server, which can be a Call Recorder Apresa or the V-Archive software running on a PC.

NOTE1: The USB power supply needs to deliver 500 mA current, else the system may not start.

NOTE2: The SD card must be formatted with the FAT32 file system. Cards above 32 GB (up to 2 TB) are not tested and must be formatted as FAT32 first, before inserting them into the V-Tap.

BOX CONTENT & DOWNLOADS

- V-Tap ISDN PRI unit
- USB adapter
- USB cable
- ISDN cable with two RJ45 connectors
- SD card
- 1 year Support & Update license
- This Quick Guide
- Manual: https://www.vidicode.com/download/v-tap-isdn-pri-manual-en/
- V-Archive PC software: https://www.vidicode.com/download/v-archive/

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The V-Tap PRI is in Sniff mode by default, meaning that the wire pairs 1&2 and 4&5 are all inputs on both RJ45.
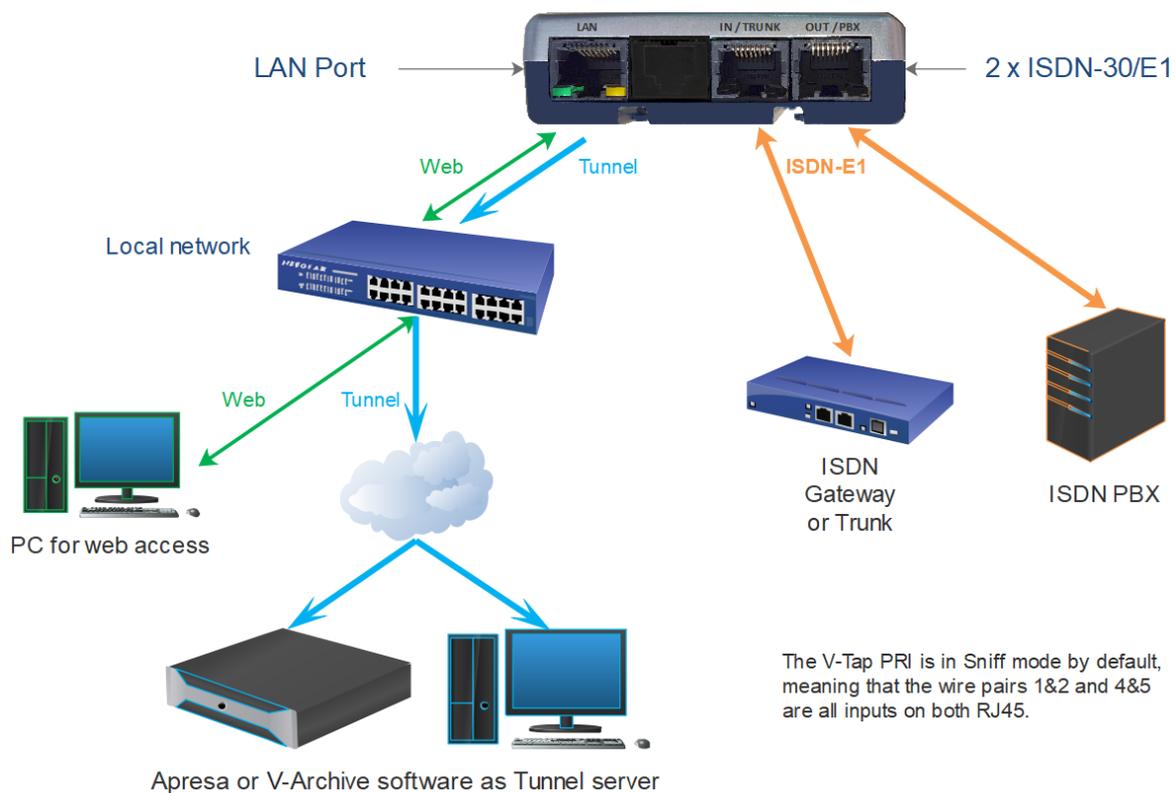
- Connect the ISDN-30 Trunk-side to the IN/TRUNK port.
- Connect the ISDN-30 PBX-side to the OUT/PBX port.
- Other ways of connecting the V-Tap to the ISDN line is described in the V-Tap ISDN PRI manual.
- Optionally connect the network to the LAN port for web access and/or Tunnel function.
- Insert an SD card into the V-Tap to store the recordings on (FAT32 formatted).
- Connect the USB of the V-Tap for power supply (needs 500 mA).

SETUP THROUGH THE WEB INTERFACE

- **Using a LAN cable** to access the web interface (2 methods):

  1) Start a browser and enter in the address line http://vtapXXXX.local
     In which XXXX are the last 4 digits of the MAC, found on the bottom of the box:

     010.02500 V-Tap
     MAC:00034901 019E
     SN: 500464   For this V-Tap, enter http://vtap019e.local

  2) Or enter an IP address on the first line of the text file "IP", put "IP.TXT" onto an SD card and insert the card into the V-Tap. Then enter this IP address in a browser.

- **Using Wi-Fi** to access the web interface:

  - Wi-Fi must be enabled first, if not already by default. Power off and remove the SD card. Hold the button pressed during power on and keep pressed for about 12 seconds until only the Blue LED is on. Release the button, Wi-Fi is temporary available now until the next reboot.
  - Search on your mobile phone or laptop for the name "V-Tap…", connect to it and use the 12 digits MAC address as the Wi-Fi password, found on the bottom of the box. Disable mobile data on your phone (else the IP address is not found), open a browser and enter the IP address 192.168.55.66.

Login with username **admin** and password **admin**. See also the V-Tap ISDN PRI manual.

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PC REQUIREMENTS FOR THE V-ARCHIVE SOFTWARE

Windows Vista/7/8/10 , Intel Pentium >2GHz , 4GByte RAM , >100 MB free disk space.

V-ARCHIVE SOFTWARE INSTALLATION

- In the case that no CD is supplied, you can download V-Archive from here:
  www.vidicode.com/download/v-archive/

- With a CD, place it in your computer and the software installation starts automatically.
  If it does not start, locate the file 'VArchiveInstall.exe' on the CD and start it manually.
  The following window appears:
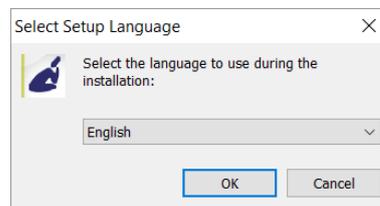
  Select your preferred language for the installation and press OK.
  The menu will ask for an installation key, please enter: **V-TAP**
  Now you can proceed with the next steps of the installation and you will be asked to confirm the locations on your hard drive where to store the software and the data files.

- To setup V-Archive to receive data from the V-Tap, go to Options, Setup, Recording tab, and enable V-Tap connections:
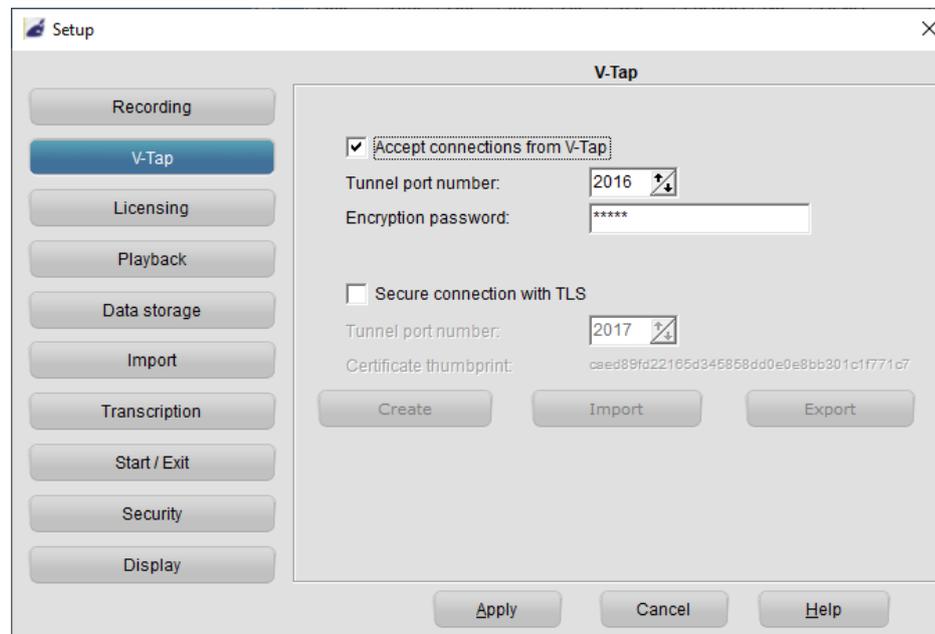
NOTE1: The PC's IP address <u>must be entered</u> as the "Tunnel Server Address" in the V-Tap.
NOTE2: The PC's firewall <u>must be open</u> for TCP port 2016. The installer will try to do this automatically.
NOTE3: The Encryption password <u>must be the same</u> as the "Encryption Password" in the V-Tap.
NOTE4: The V-Archive software itself <u>does not need</u> channel licenses to receive from the V-Tap.

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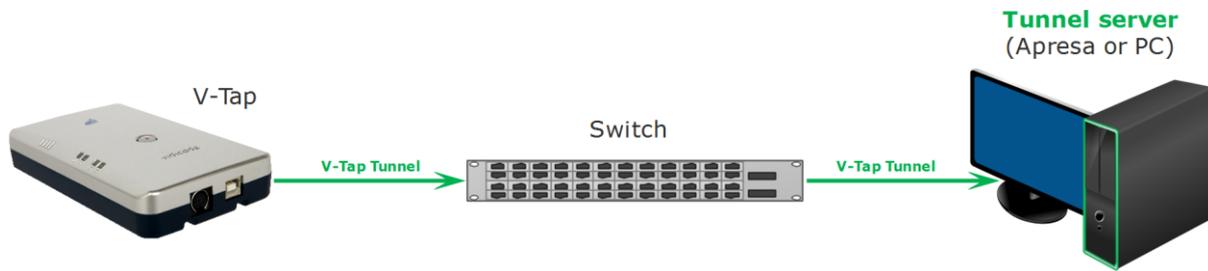
A connection between the V-Tap and the V-Archive PC software (or Apresa recorder) is needed to get the recorded data automatically into a user accessible database.

The following checklist can be used to setup this Tunnel connection:

1) Install the Hardware (see page 2).

2) Install the V-Archive software on a PC and enable V-Tap connections (see page 3).

3) Open the Settings page of the V-Tap in a browser by entering http://vtapXXXX.local
   XXXX are the last 4 digits of the MAC address, found on the bottom (see page 2).
   It may take up to a minute after first connect, before this local name is known to the PC.

4) The "Tunnel Server Address" must be filled in with the IP address or name of the PC.

5) Any **firewall** must be open for TCP port **2016,** the default "Tunnel Destination Port".
   During installation of V-Archive this port is automatically opened, if permitted by the PC.

6) The Tunnel connection to the PC is stable when the **GREEN LED is steady**, not blinking!
   Also, the V-Tap must be shown with its MAC address in the status line of V-Archive.

7) For first tests, better turn off "Tunnel Data Encryption".
   Otherwise, be sure that the Encryption password is the same for both V-Tap and V-Archive.

8) When data is stored by the V-Tap during a call, the **BLUE LED** blinks.

9) To see if the PC receives something from the V-Tap, it is possible to make a network trace for test purposes. In V-Archive go to menu Actions and select 'Network trace', press Start, make a short call, wait 10 seconds, press Stop and then Save.
   From the zip file 'tunneltrace.pcap' can be analyzed with Wireshark.

10) The SD card in the V-Tap should contain ".WAV" files.
    The SD card can be read by V-Archive in menu File and 'Import from V-Tap'.