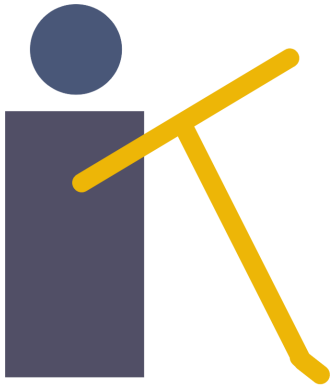


Operational Manual

for the

Khaya iT Digital Telephone Recorder

and the

Khaya iT Call Management Software

Updated June 2004

Thank you for purchasing the Khaya iT Digital Telephone Recorder. This manual is designed to illustrate operational details of Khaya iT Digital Telephone Recorder (KDTR), as well as the Khaya iT Call Management software.

KDTR Configurations.

Model Type **Sorted by channels**	**4 Channels**	**8 Channels**
Standard accessory Phone cable	Special type 4 meters X 2	Special type 4 meters X 2
Standard accessory	Power Cord, USB cable, CD, Guarantee Sheet, Manual	

Cable Connection & Check up

1. Identifying the connectors of the recorder.

Take out the recorder; note to the indicator LED lamps area in front and its connector areas in the back. The Indicator LED is shown in the following image:

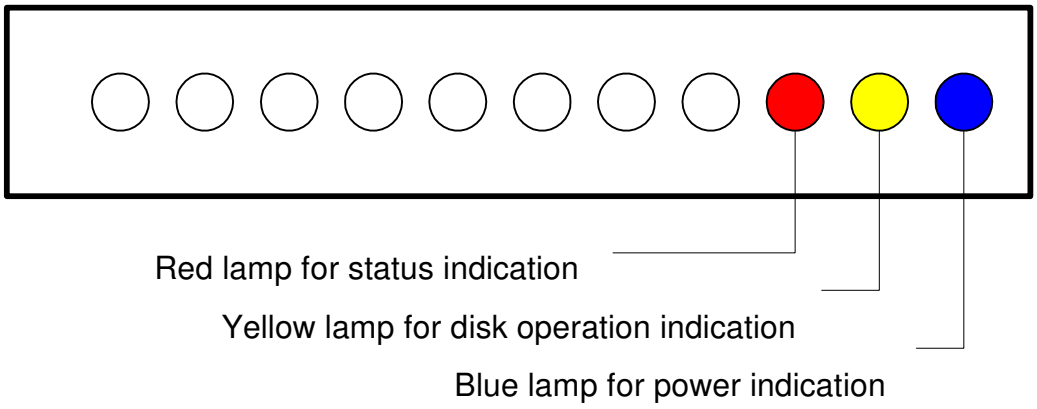


Diagram of KDTR recorder's LED Area (Front View)

The connectors are indicated below, AC220V, RJ11 Twin Connectors and the USB Connector.

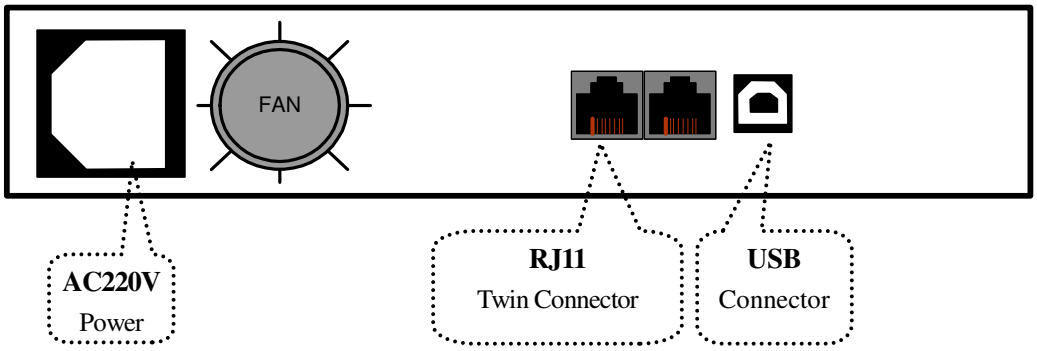


Diagram of KDTR's Connector Area (Rear View)

For 8 channels recorders a RJ45 twin connector, for connection up to 8 line pairs, replaces the RJ11 twin connector in the above drawing.

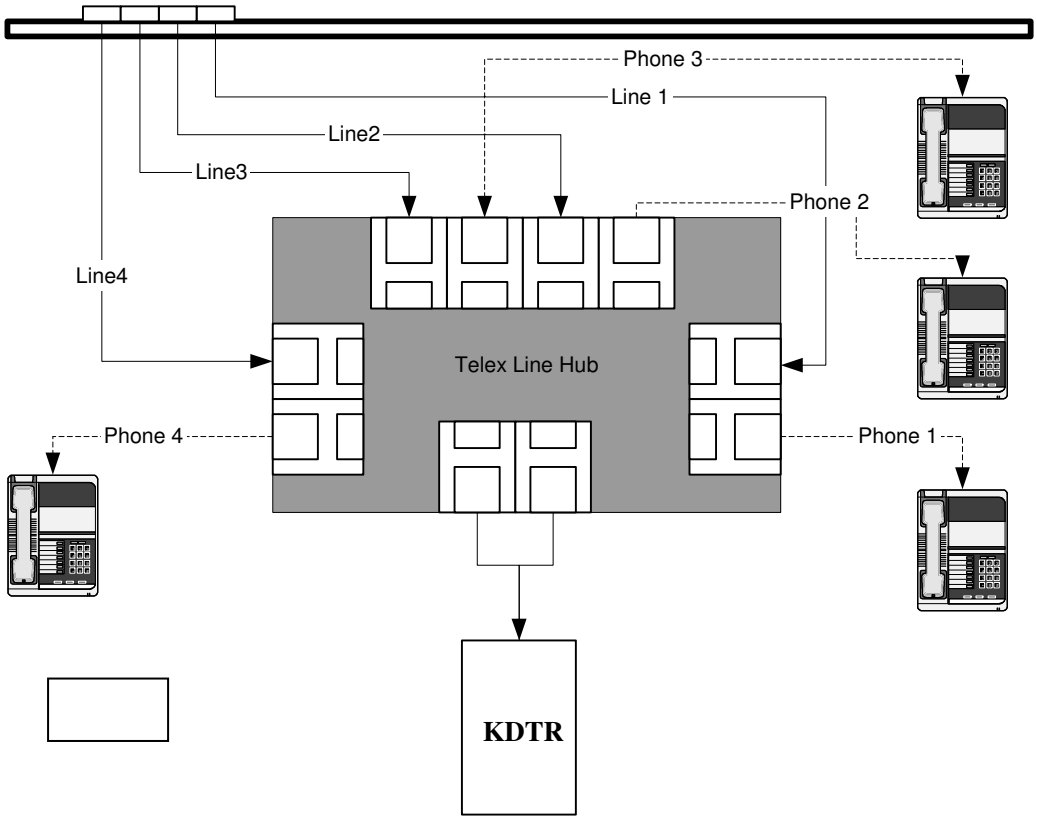
2. Phone Cable Connection

Connection for 4 channels

Method 1 - Using the optional TC4XX line hub adapter
Refer to the diagram below using the optional TC4XX 4 channels line hub adapter to connect KDTR recorder to 4 lines.

The optional TC4XX channels line hub comes with 2 uplink cables (4 meters long each) and 4 phone cables (2 meters long each). They are all standard phone cables, while uplink cable has at least 4 wires inside but the phone cable may only have 2 wires inside. Use the uplink cables to connect the uplink port to the recorder. Use the other 4 cables to connect the phone sets via the 4 twin RJ11 ports into the hub.

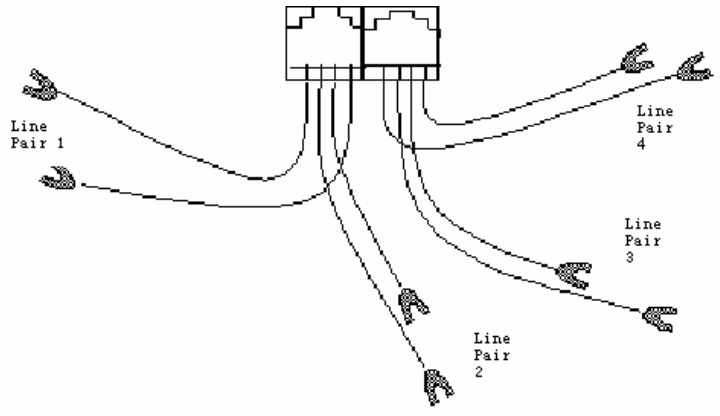
This method is very suitable for connection to 4 separate phone sets.
To connect with a PBX, the lines routed to phone sets in the drawing should be routed to the incoming lines of the PBX switch.



Method 2 - Line to line in parallel connection

If it is not easy to find any RJ11 connector with the phone lines we want to connect we can use the standard connection cables for this case. This is often the case with PBX connections.

Step 1: Check the cables and connect them to KDTR. Each cable has a RJ11 crystal head at one end for connection to KDTR recorder, and 4 wires ends divided into 2 groups at the other end and. Refer to the following drawing after the 2 cables are connected to the recorder.

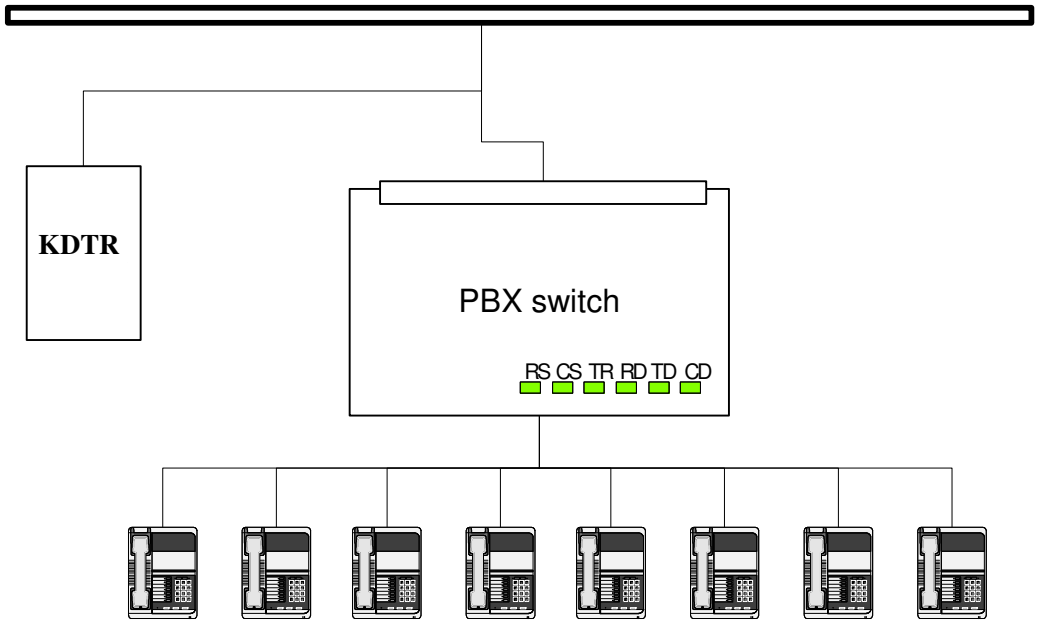


Step 2: Connect to the lines.
For discrete phone lines, identify the 4 line pairs. Find solutions to connect the 4 pairs of wires to them in parallel electrically.
For the bundled lines you have to identify the line pairs among the wire burst in advance. This time professional instruments maybe required. You can ask your local phone company to help you.

Connection for 8 channels

The connection method for 8 channels is very similar to that for 4 channels. The main differences are,

- For hub method 2 hubs will be used and the uplink cables will be of different type.
- For line-to-line method 8 line pairs will be connected.



Power Connection

Take out the provided power adapter or power cable; plug its connector into the Recorder's power plug, and its city line connector into your 220V AC outlet.

Preliminary Check Up

Normal Case:

After the above connections are well established, please pay attention to KDTR's indicating.

- Blue Light should remains lighted.
- Yellow Light may flashes once at the moment while the power being applied.

Lift the handset or press down the hands free key of the telephone set. Yellow Light should keep lighted while the Red Light should keep flashing once per second during the hooked or pressed period. Hereafter, phone calls called in or dialed out will be recorded.

Abnormal Cases:

- Green Light does not light after power is applied.
- Red Light keeps flashing very fast after power is applied.
- Recorder has no reaction when the telephone hand set is hooked off.

All above abnormal cases indicate the KDTR is out of order. You should send it back for factory maintenance.

Using KDTR

1. Making Recordings.

While in normal working state, KDTR will and automatically record the telephone number called in or dialed out, time duration of the call and the conversation.

The following points should be noted in order to keep the telephone devices as well as KDTR in full-feathered running state.

Please confirm with the local Telephone Office that your subscriber line has the ***caller ID*** function to ensure the KDTR can record the received telephone numbers. Other wise, there will not be caller phone numbers recorded and in later stage displayed in the computer.

Always pick up your phone handset after the ***second ring when receiving***, a phone call, so that phone number dialed in can be received successfully.
Avoid intense vibration to KDTR, and keep it working in normal temperature and humidity environment.

2. Managing and Playing the Records

1.1 Managing and playing records on a PC

2.1.1 ***Connection***: Connect the KDTR to the USB port of your PC

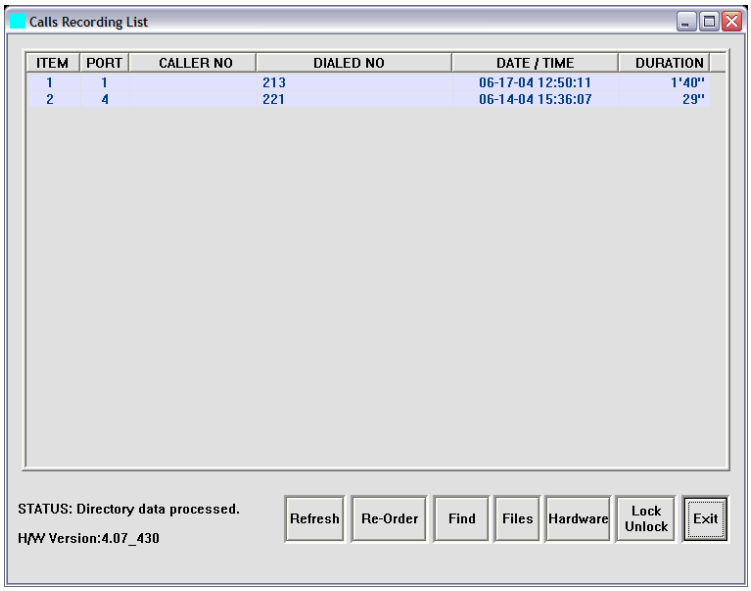
using the USB cable provided. The PC used for managing/playing should be equipped with a USB port, sound card as well as loud speakers, working on Windows 98SE / ME / 2000 / NT and XP.

2.1.2 ***Driver Installation:*** For the first time when you connect your PC with KDTR, you may be asked to install the USB device driver. All device derivers are provided on the attached CD.

Using the utility Software

Install the Khaya iT Call Management Software - KDTR Manager/Player from the disk provided, follow the installation procedure. Double-click the Khaya iT Call Management Software icon on the desktop to launch the Management Software, (Make sure that you are connected to the KDTR) a list all of the recorded records will be available in the main screen (shown as the following image). The listed information include the **item no**, **telephone numbers called in or dialed out**, **call start date / time**, and the **recorded duration**. All records are listed in the reverse order so the latest record is indexed to item number 1.

On the lower part of the form, there are operational buttons: List Refresh (Index Refresh), Search, Make/ Create Wave File, Information / Help to provide the relevant functions.



Description of the function buttons:

- **Index Refresh -** Refresh the list displayed in conformal to the latest

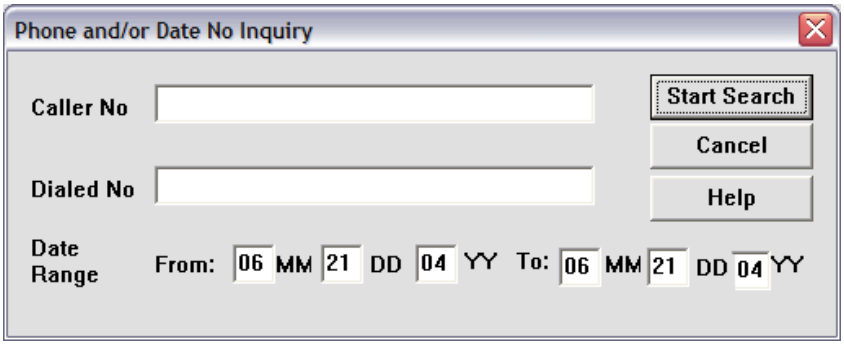
records in the KDTR at any time.

- **Search** - You can search the records with caller number or dialed number within the date range input.

  In the dialogue box, you can key in the search conditions such as date range, phone number digit strings such as 010, 6256 etc. The searched results will display on the screen afterwards.

  Or you may key in date only, all the recorded items during the date range will be displayed.

  The recorded items after search can be played, or used for further searching and for making Wave files in batch job. Refer to File Copy for more details.



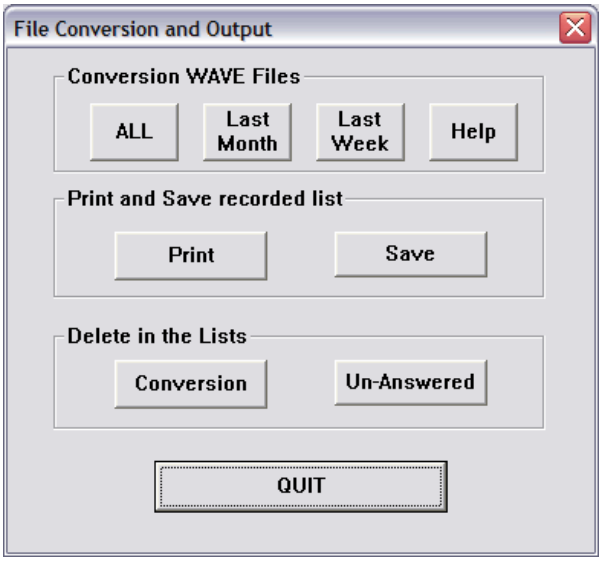
- **Make/Create Wave -** This button has the function to make wave files from the records in batch job. (Wave File is a widely used and supported multi media File Format for PC and other computer systems). Since the KDTR uses a unique and unpublished format for taking recordings, it is the better way to exchange information with other systems by this function, rather than analog conversion. You can use your PC to send Audio E-mails or make backup CDs without worrying that others cant play them back.

  There are three choices available, All, Last Month, Last Week and Help in the next dialog for the making wave batch.

  - **All** - Copy the all records listed in the form, including that displayed and un-displayed. This button can be used to make the searched results in a batch job.
  - **Last Month** - The S/W will search again from all of records in KDTR within the 1st and 31st of last month, then to make a batch job to generate the wave files.
  - **Last Week** - The S/W will search again from all of records in

KDTR within the 1st and 31st of last week, then to make a batch job to generate the wave files. This function is specially designed for the users make monthly backups.

- **Help** - Provide on line help.



All the generated files will be placed under the file folder of Wave Folder 00-99 under the present path. The software will produce the last two numbers in the folder name automatically. You can also browse the files within all the Wave Folder XX folders. The newly produced folder should be named with the largest number.

Each file refers to a unique record. The name of each file contains date and time of the call, caller or dialed number such as. File “02-10-25 15=11=10 in 1062034240”. The files are suffixed with “.wav. ”.

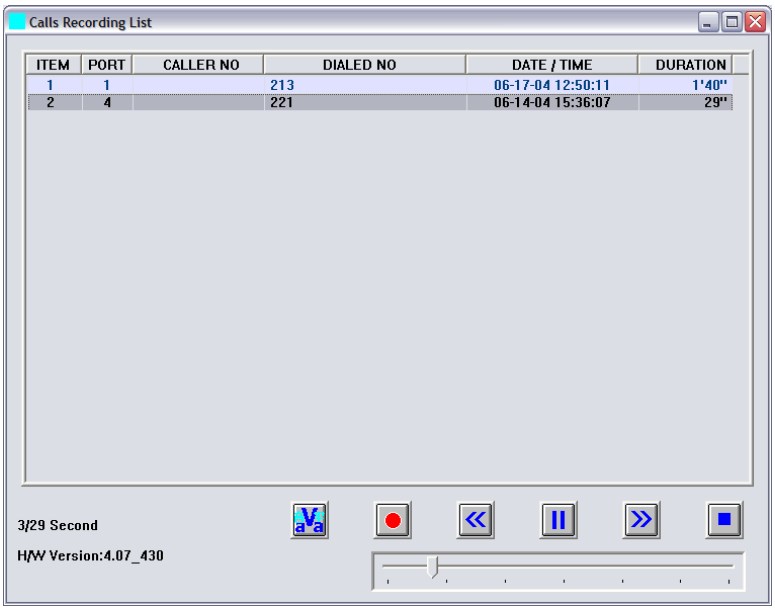
- **Help** - From this button you can gain more information about KDTR including Version number, capacity and valid phone call items.

Click any listed item to play the record

While playing the recordings back the buttons in the lower part of the screen will be swapped to a new set of playing buttons, shown below.

The functions of these buttons are Making Wave file, Rewind, Pause / Play, Fast forward and Quit.

You may also drag the horizontal slider bar to move starting points of playing.



The following graph shows the dialog if you click the make wave file button is the dialogue box of Record Function.