```
                    +-------------------------------+
                    |  ** Teleterm USER'S MANUAL **  |
                    +-------------------------------+
```

     Teleterm is a multi-purpose terminal program for the Coleco
ADAM
computer under the EOS operating system. It supports the MIB2,
MIB3 and
MIB238 slot 2 boards (with the INT line enabled) connected to an
external
Internet modem (eg. WiModem232) or a MIB238 Wifi board. Speeds of
300, 1200
2400, 4800, 9600 or 19200 baud. In addition, direct null-modem
communication between the ADAM and other computers is possible at
rates up
to 19200 baud. Video and/or 80-column serial terminal output via
MIB port 2
is available in terminal mode.
  ASCII Capture of anything displayed on the Terminal screen can
be saved to
disk/tape or may be printed on either the ADAM SmartWriter daisy
wheel printer
or any parallel printer connected via the MIB parallel board.
  Teleterm supports file transfers using Punter C1, Xmodem
Checksum, Xmodem
CRC and Xmodem CRC 1K error-checking protocols. Both text and 8-
bit binary
files may be transferred. A file catalog function is available
to display the
directories of disks and tapes.

****
****

  1. Bookmarks
  2. Modem Settings
  3. Monitor Settings
  4. Device Settings
  5. RAMDISK Operations
  6. Buffer
  7. Protocol
  8. Colors
  9. Save Settings
 10. FTP Client
 11. Terminal Mode

****
****
1. Bookmarks:

  Bookmarks contain the address and port of the Telnet BBSs you
most often
```

connect to.  You can enter up to 10 bookmarks.  To edit and entry, select it
with the cursor up or down keys and then press the 'E' to edit.  You will be
prompted first for a display name.  This is a short 10 character name used to
quickly identify the destination BBS.  Next you will be prompted to enter the
address and port of the destination BBS.  This is entered in the form:

   URL ADDRESS:PORT NUMBER

   OR

   IP ADDRESS:PORT NUMBER

   For example:

   cottonwoodbbs.dyndns.org:6400

   When you are done entering the address press RETURN to be brought back to
the Bookmarks menu.  To save the Bookmarks you have entered for future use,
go to the Main Menu and select option 9. Save Settings.

************************************************************************
*************
2.  Modem Settings:

   The current modem settings are displayed on the top of the Main Menu.

   NOTE: These settings must match whatever your Internet modem is configured
to use or you will not be able to type in Terminal mode.

   1. Baud Rate - select from baud rates of 300, 1200, 4800, 7200, 9600 or
19200 depending upon what your Internet modem supports.

   2. Parity - select Odd, Even or None depending upon what your Internet
modem supports.

   3. Stop Bits - select 0, 1 or 2 stop bits depending upon what your Internet
modem supports.

   4. Data Bits - select 5, 6, 7 or 8 data bits depending upon what your

Internet modem supports.

   5. Syntax - Selects either Wimodem dial syntax eg. ATDT<URL or
IP>:PORT or
Zimodem dial syntax eg. ATDT"<URL or IP>:PORT".

*********************************************************************
*************
3.  Monitor Settings:

   The current serial monitor settings are displayed on the top of
this screen.

   1. Output- By default Terminal mode output is to ADAM's video
display
processor (VDP).  The screen is 40 characters wide by 22 rows.
Rows 23 and
24 are reserved for system messages and data entry.  You can
select to only
send Terminal output to the ADAM monitor or to have it also sent
to the MIB
serial port 2.

   2. Baud Rate - select from baud rates of 4800, 7200, 9600 or
19200
depending upon what your external terminal supports.

   3. Parity - select Odd, Even or None depending upon what your
external
terminal supports.

   4. Stop Bits - select 0, 1 or 2 stop bits depending upon what
your external
terminal supports.

   5. Data Bits - select 5, 6, 7 or 8 data bits depending upon
what your
external terminal supports.

*********************************************************************
*************
4.  Device Settings:

   1. Upload/Download Device - allows you to select a device to be
used for
uploading a file, downloading a file and saving your capture
buffer.
Teleterm automatically scans for connected media devices on boot.

   2. Catalog -  A catalog listing of disk, tape or ramdisk files
is
available by selecting this option.  All files, regardless of

attribute,
will appear in the catalog. Entries for deleted files appear as
'DELETED"
in the listing.  Each block of the directory is displayed as a
page.  The
catalog correctly handles multiple-block directories, stopping at
either
BLOCKS LEFT or the physical end-of-directory, whichever comes
first.

 3. Printer - allows you to select your active printer.  Teleterm
supports
both the ADAM Daisy Wheel Printer or a Parallel Printer connected
to the
parallel port on the MIB.  Teleterm scans for the ADAM Printer on
boot and
will only allow selection of the device if detected.

*****************************************************************
*************
5.  RAMDISK Operations:

  If you have a RAM expander in your ADAM, Teleterm will allocate
it as a
high speed RAMDISK.  You can use this RAMDISK as an addition
storage media
where you can download to, upload from or copy files to.
Additionally this
RAMDISK is compatible with SmartDSK III and ADAM's Desktop.

  1. Initialize RAMDISK - This option will wipe the RAMDISK to a
clean state.
All files on the RAMDISK will be lost.

  2. Copy Files - This option allows you to copy files between
your RAMDISK
and active disk or tape drives.

  If you want to manipulate the files in your RAMDISK when you
are done using
Teleterm you can insert SmartDSK III for SmartBasic or ADAM's
Desktop and pull
the ADAM reset switch.  When SmartDSK III for SmartBasic or
ADAM's Desktop
loads the files in your RAMDISK will be accessible to those
programs.

*****************************************************************
*************
6.  Buffer:

  Teleterm supports a 19K capture buffer.  Everything displayed

on the
Terminal screen will be placed in the buffer.  The buffer will
automatically
turn off when full.  You turn the buffer on or off using the III
key in
Terminal Mode.

   1. Save Buffer - allows you to save the current contents of the
Buffer to
your UD Device.  You will be prompted for a filename and
filetype.

   2. Print Buffer - allows you to print the current contents of
the Buffer to
your selected printer.

   3. Clear Buffer- clears the current buffer.

   NOTE: Turning off the capture does not clear the buffer, only
Clear Buffer
resets the Buffer.

*******************************************************************
*************
7.  Protocol:

   Allows you to select the active Upload/Download Protocol.

   Teleterm supports 4 File Transfer protocols:

   1. Punter C1
   2. Xmodem Checksum
   3. Xmodem CRC
   4. Xmodem CRC 1K

 NOTE: You can abort an upload or download by pressing CONTROL-X
on your
 keyboard.

*******************************************************************
*************
8.  Colors:

   Allows you to select the preferred Background and Foreground
colors of your
choice.

*******************************************************************
*************
9.  Save Settings:

   Saves your current settings to disk.  These will be

automatically loaded
and applied the next time you boot Teleterm.

   Settings that are saved:

   a. Modem Databits
   b. Modem Parity
   c. Modem Stopbits
   d. Modem Baud Rate
   e. Modem Syntax
   f. Selected Protocol
   g. Terminal Databits
   h. Terminal Parity
   i. Terminal Stopbits
   j. Terminal Baud Rate
   k. Selected Background Color
   l. Selected Foreground Color
   m. Selected Printer
   n. Selected Monitor
   o. Modem Bookmarks
   p. FTP Bookmarks

*****************************************************************
*************
10.  FTP Client:

   To access the FTP Client press the 'F' key from the Teleterm
Main Menu.

   The FTP Client will check 2 things before allowing you to
attempt a
connection to an FTP site:

 1. Your current baud rate is checked and if it is less than
9600BPS you
    will be prompted that FTP requires a minimum of 9600BPS.
 2. The WiFi modem firmware is checked and if the MIB Wifi
Firmware is
    not found you will be prompted that the FTP Client only
supports the
    MIB Wifi Firmware.

   You will first be presented with the FTP Bookmarks screen. You
can
create 5 bookmarks for the FTP sites you visit most frequently.
To connect
to an exisiting FTP site bookmark just hit RETURN on it when it
is
selected. To edit an entry, select it with the cursor up or down
keys and
then press the 'E' to edit.

You will be prompted first the 'FTP Site Address'.  This is the URL
or IP address of the site.  You do not need to enter a port address.  The
port used is always 21.

   Next you will be prompted for your User ID.  Unless you have a specific
user ID you can just enter 'anonymous' here.

   Next you will be prompted for your Password. Unless you have a specific
password you can just enter 'anonymous' here.

   Next you will be prompted for a 'Connect Delay' value.  This can be any
number between 128 and 512.  A good default value is 512.  Decreasing this
value will cause site connections to occur faster but can cause data
corruption.

   Finally you will be prompted for a 'List Delay' value.  This can be any
number between 128 and 512.  A good default value is 256.  Decreasing this
value will cause site lists to try to display faster but can cause data
corruption.

   Remember to save your FTP Boomarks by selecting option 9 'Save Settings'
at the Teleterm Main Menu.

   When you successfully connect to an FTP site you will be shown the FTP
prompt:

ftp >

   Available commands in FTP Client:

   ls - List all files in current remote directory.

   ldir - List all files on current ADAM U/D device.  (You must have a U/D
      device selected)

   cd <DIRECTORY> - changes the directory on the remote system to <DIRECTORY>.
      you can move backwards by typing the command:

```
        cd ..
```

  get <FILENAME> - Downloads the file <FILENAME> from the remote
site. After
        entering this command you will be prompted to enter a
filename and
        file type to be saved on your selected ADAM U/D device.

  put <FILENAME> - Uploads the file <FILENAME> to the remote
site. The file
        <FILENAME> must exist on your selected ADAM U/D device.

  quit - End the current FTP session and returns you to the
Teleterm Main
        Menu.

****
****
11. Terminal Mode:

  To enter the Terminal press the Wild Card key from the Teleterm
Main
Menu.

  Before a connection to a remote host is established the
Terminal will be
in COMMAND mode. In this mode you can send AT commands directly
to your
Internet modem.

    Certain keys have special functions assigned to them:

  a) <I> Upload - will start Upload mode. You will be prompted
for a
filename to upload which must no exist on your selected UD
Device. The
upload will then begin using the selected Protocol.

NOTE: Any upload or download will destroy any data in your
capture buffer.

  b) <II> Download - will start Download mode. You will be
prompted for a
filename and filetype to assign to the file being downloaded.
This will be
saved on your selected UD Device. The download will then begin
using the
selected Protocol.

NOTE: Any upload or download will destroy any data in your
capture buffer.

c) <III> Capture - Turns on or off the Capture Buffer.

d) <IV> Protocol - Allows you to choose a different Upload/Download
Protocol.

e) <VI> Hang-Up - This choice will hang up the modem and disconnect the
modem from use of the remote host. This should not be necessary in most cases
because systems will generally automatically disconnect when the user logs
out. In fact, it is generally frowned upon by most sysops for a user to
arbitrarily hang up without exiting by the normal procedure.

f) <ESCAPE> returns you to the Main Menu without disconnecting your
session.

****
****

 Teleterm was programmed by R. Eric Pearson
 3/10/2021