DATA SHEET • CDC 721 DISPLAY TERMINAL (PLATO MODE)
A Product of Control Data Corporation

The following conventions and procedures pertain to the use of the CDC 721-30 terminal into PLATO on the CONTROL DATA Shared Network (CDSN) at 120 CPS.

FIGURE 1—CDC 721 DISPLAY TERMINAL (FRONT VIEW)

CONNECTING THE EQUIPMENT

1. Hooking up the communications . . .
   Before connecting the modem to the telephone network, the telephone company must be provided with the following:
   - Your telephone number
   - The modem FCC registration number
   - The ringer equivalence number
   - The type of phone jack used (RJ11, RJ45)
2. Connect the modem to the DATA SET port on the back of the terminal using the RS 232 cable (Figure 2).
3. Connect the power cord to the terminal and then to an appropriate power source.
4. Install the supplied battery in back of terminal (Figure 2).

CONTROL DATA   COMSOURCE,   POST OFFICE BOX 0, HQC02N
MINNEAPOLIS, MINNESOTA 55440

TERMINAL CONFIGURATION

The terminal can be configured with a variety of options. The settings below offer one combination that will allow the terminal to perform online with PLATO at 120 CPS.

1. Ensure BRIGHTNESS and CONTRAST knobs on the front of the terminal are turned all the way to the right. Power on all equipment. The terminal will perform some internal diagnostic tests and then display:

F1 MODE 1 CYBER	F2 MODE 2 PLATO	F3 MODE 3 CP/M	F4 MODE 4 DISK	F5 MODE 5 C120	F6 MODE 6 XXXX	F7 MODE 7 PACK	F8 TERMNL TEST	F9	F10

2. If parameters are already set, proceed to Step 9.

3. Simultaneously depress the CTRL and SETUP keys. The terminal displays a set of configuration parameters at the bottom of the screen. Set the parameters as follows. The cursor is already at the first character position of the F2-CONFIG box. Just enter the numbers/alphas as they appear inside the boxes from left-to-right through F9. The cursor will automatically advance.

F1 RETURN	F2 CONFIG 010000	F3 CONFIG 001000	F4 CONFIG 000000	F5 CONFIG 000000	F6 AS X Y 0 0 0	F7 L ID 0 0000	F8 PORT A 0 6	F9 PORT B A 6	F10 INSTL MODE N

4. Depress the COPY key to retain these configuration parameters.

5. Depress the F10 function key to enter installation mode parameter settings. The following is displayed:

    ENTER MODE n (1-6)

6. Enter a 2 (for PLATO mode). The terminal displays a set of configuration parameters at the bottom of the screen. Set the parameters as follows. The cursor is already at the first character position of the F2-CONFIG box. Just enter the numbers/alphas as they appear inside the boxes from left-to-right through F10. The cursor will automatically advance.

F1 RETURN	F2 CONFIG 100100	F3 CONFIG 000110	F4 CONFIG 000001	F5 CONFIG 000000	F6 OPR OF 4C24	F7 A-DIAL 000000	F8 A-DIAL 000000	F9 DF T R 08 6 6	F10 ACCESS 0000

7. Depress the COPY key to retain the above configuration parameters.

8. Depress the F1 FUNCTION key to return to the "mode display" as shown in item 1 above.

9. Depress the F2 FUNCTION key to place terminal in PLATO mode. Proceed to Standard Log-In Procedure.

NOTE: The parameters are set in non-volatile memory which is powered by battery to hold the parameters during power down. If the battery fails or the stored parameters are otherwise lost, default parameters remain. Repeat steps 3 through 7 to reload the desired parameters. Replace the battery with the terminal power on to prevent loss of parameters.

STANDARD LOG-IN PROCEDURE

1. TERMINAL STATUS...

The terminal displays a message indicating that it is not on-line to the host.

> HOST NOT CONNECTED

2. LOADING CONTROLWARE...

Dial the network telephone number. When you hear a high pitched tone place the modem/coupler in data transfer mode. A loading mesage will appear if controlware has not already been loaded but is loading anew.

> LOADING FILEXX BLOCK XX
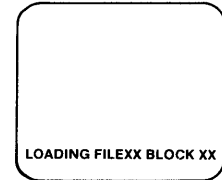
3. IDENTIFYING AS A PLATO TERMINAL...

A **TERMINAL READY** message will appear. Type the letter i and press the **NEXT** key. Ensure the **LOCK** key (Θ) indicator is off (unlit).

NOTE: If the controlware has been previously loaded, two slashes (/ /) will appear in the upper left corner rather than the **TERMINAL READY** message. The action required is the same in either case.
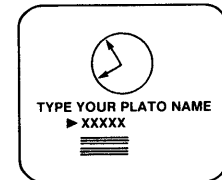
> TERMINAL READY XX

4. SIGNING ON...

A "**PLEASE SIGN ON**" message will appear. Type the three-character identifier of the **PLATO** system you are using and press the **NEXT** key.

> NET NNNN
> PLEASE SIGN ON—XXX

5. ENTERING YOUR PLATO NAME...

A clock showing the current time will appear with instructions to enter your **PLATO** name. Type your name and press the **NEXT** key.

> TYPE YOUR PLATO NAME
> ► XXXXX

6. ENTERING YOUR PLATO GROUP NAME...

A request will appear for your group name. Type the group name and press both the **SHIFT**(⌂) and **STOP** keys at the same time.
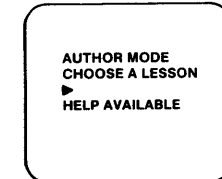
> TYPE PLATO GROUP NAME
> ► XXXXXX

7. ENTERING YOUR PASSWORD ...

A request will appear for your password. Type your password. X's will appear on the screen as the password is being entered to help preserve its privacy. Press the **NEXT** key.

> TYPE YOUR PASSWORD
> ► XXXXXX
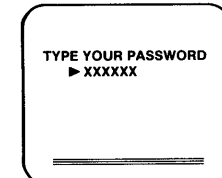
8. CHOOSING A LESSON...

Enter a lesson name and then depress the **NEXT** key.

> AUTHOR MODE
> CHOOSE A LESSON
> ►
> HELP AVAILABLE

9. OPERATION...

PLATO will now conduct you through the lesson with all necessary actions displayed on the screen.

10. TERMINATING OPERATION...

To sign-off, press **SHIFT** (⌂) and **STOP** keys at the same time until two slashes (/ /) appear in the upper left corner of the screen. Then disconnect the modem.