TT-DCAPCE Quick Guide

QUICK GUIDE FOR 5ESS
(DUAL SESSION) SWITCH ACCESS TERMINALS

CONTENTS:
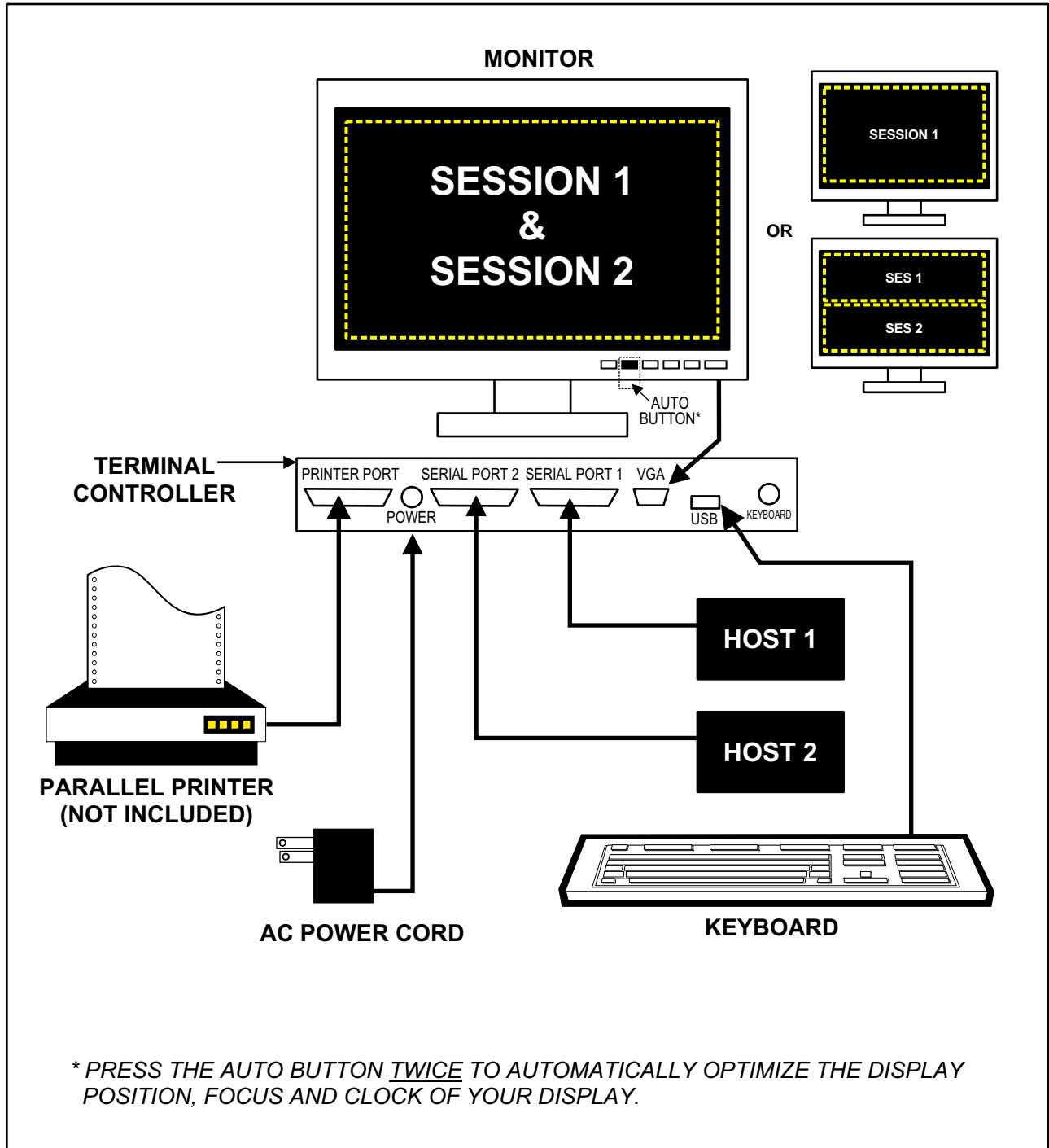
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5ESS SWITCH ACCESS TERMINAL CONFIGURATION

FIGURE 1

* PRESS THE AUTO BUTTON *TWICE* TO AUTOMATICALLY OPTIMIZE THE DISPLAY POSITION, FOCUS AND CLOCK OF YOUR DISPLAY.
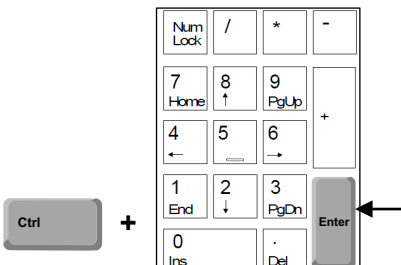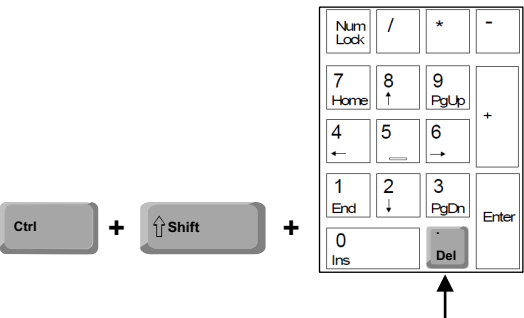
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TERMINAL COMMAND KEYS

FIGURE 2
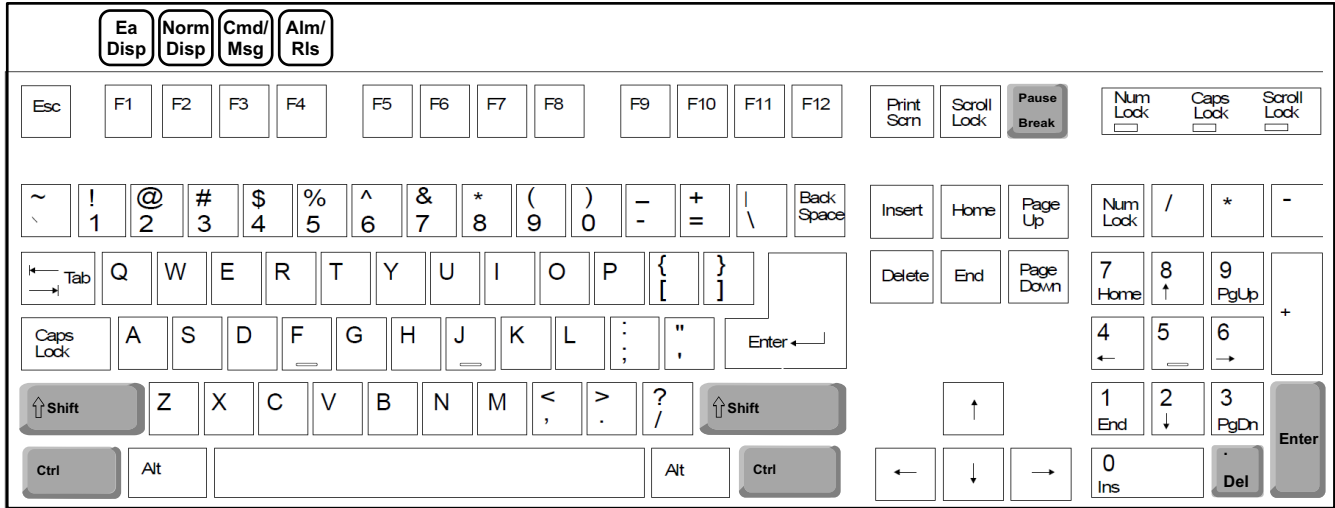
SWITCH SESSIONS (for dual sessions only)	Press **Ctrl + Enter** *(Enter on the Number Pad)*	
PRINT	Press **Ctrl + Shift + ●** *(Decimal on the Number Pad)*	
SEND BREAK	Press **Ctrl + Pause/Break Key**	

TT-DCAPCE Quick Guide

GENERAL SETTINGS NOTE

Terminals are supplied pre-configured for your 5ESS switch. Some local settings may need to be adjusted. Example: Baud Rate, Function Keys etc.

The following pages show how to make adjustments to the terminal when required.

TT-DCAPCE Quick Guide

TERMINAL SETUP

FIGURE 3

F1 Quick	F2 Genrl	F3 Displ	F4 Kybd	F5 Keys	F6 Ports	F7 Host	F8 Print	F9 Emul	F10 Tabs	F11 AnsBk	F12 Prog	PrtSc Exec

PARAMETERS

Parameters **Save all? (Y/N)**

Emulation=VT-100   SER1 Baud Rate = 4800   SER1 Data Format=7/1/E

Comm Mode=Full Duplex   SER2 Baud Rate=4800   SER2 Data Format=7/1/E

Enhanced=On   Language=U.S.   Sessions=Two

Host/Printer=SER1/Para

CHOICES

Choices

300   600   1200   2400   **4800**   9600   19200

Select

↑ → ↓ ← : Parameter   Enter/S-Enter : Next/Prev Choice   Exit : Pause Key

SESSION

Session 1   Press <Control> <EnterKpd> to Toggle Session

FIGURE 4

ENTER SETUP SCREEN	Press **Ctrl + Scroll Lock**

SELECT MENU	Press **F1 - Prt Scn** *(see pg. 10 for 5ESS Default Setup)* *(see pg. 11 for STP-ALU Default Setup)*

NAVIGATE PARAMETERS	Press the **Arrow Keys**

| NAVIGATE CHOICES | Press **Enter** or **Spacebar** (moves forward) **or** |
| | Press **Shift + Enter** (moves backward) |

EXIT SETUP SCREEN	Press the **Pause Key** (when prompted to "Save all", press **Y** key to **Save** or **N** key to **discard**)

TT-DCAPCE Quick Guide

CHANGING THE SERIAL PORT SETTINGS*

Note: Port settings must be set for both sessions.

FIGURE 5A

| F1 Quick | F2 Genrl | F3 Displ | F4 Kybd | F5 Keys | F6 Ports | F7 Host | F8 Print | F9 Emul | F10 Tabs | F11 AnsBk | F12 Prog | PrtSc Exec |

Parameters

Emulation=VT-100

Comm Mode=Full Duplex

Enhanced=On

Host/Printer=SER1/Para

SER1 Baud Rate = 4800

SER2 Baud Rate=4800

Language=U.S.

SER1 Data Format=7/1/E

SER2 Data Format=7/1/E

Sessions=Two

Choices

300   600   1200   2400   4800   9600   19200

Select

↑ → ↓ ← : Parameter   Enter/S-Enter : Next/Prev Choice   Exit : Pause Key

Session 1   Press <Control> <EnterKpd> to Toggle Session

1. Press the **F1** button
2. Use the **Arrow Keys** to move to **SER1 Baud Rate (SER1 = Serial Port 1)**
3. Press **Enter** or **Spacebar** until the correct **Choice** is highlighted (4800 for 5ESS, 9600 for STP-ALU)
4. Use the **Arrow Keys** to move over to **SER1 Data Format**
5. Press **Enter** or **Spacebar** until the correct **Choice** is highlighted (7/1/E for 5ESS, 8/1/N for STP-ALU)
6. Press **<Control> <EnterKpd> to Toggle to Session 2** *(see page 2 - "Switching Sessions")*

FIGURE 5B

| F1 Quick | F2 Genrl | F3 Displ | F4 Kybd | F5 Keys | F6 Ports | F7 Host | F8 Print | F9 Emul | F10 Tabs | F11 AnsBk | F12 Prog | PrtSc Exec |

Parameters   **Save all? (Y/N)**

Emulation=VT-100

Comm Mode=Full Duplex

Enhanced=On

Host/Printer=SER1/Para

SER1 Baud Rate = 4800

SER2 Baud Rate=4800

Language=U.S.

SER1 Data Format=7/1/E

SER2 Data Format=7/1/E

Sessions=Two

Choices

300   600   1200   2400   4800   9600   19200

Select

↑ → ↓ ← : Parameter   Enter/S-Enter : Next/Prev Choice   Exit : Pause Key

Session 2   Press <Control> <EnterKpd> to Toggle Session

7. Use the **Arrow Keys** to move to **SER2 Baud Rate (SER2 = Serial Port 2)**
8. Press **Enter** or **Spacebar** until the correct **Choice** is highlighted (4800 for 5ESS, 9600 for STP-ALU)
9. When finished, press the **Pause Key** at the top right of the keyboard
10. When prompted with "**Save all?**", click **Y** to save the new **Parameters**

TT-DCAPCE Quick Guide

CHANGING THE HOST SETTINGS

FIGURE 6A

| F1 Quick | F2 Genrl | F3 Displ | F4 Kybd | F5 Keys | F6 Ports | F7 Host | F8 Print | F9 Emul | F10 Tabs | F11 AnsBk | F12 Prog | PrtSc Exec |

Parameters

Comm Mode=Full Duplex   Local=Off   Recv <CR>=<CR>

Recv <DEL>=Ignore   Null Suppress=On   Send Block Term=None

Send Region=Screen   Send End=Region

Choices

Full Duplex   Half Duplex   Full Block   Half Block

Select

↑ → ↓ ← : Parameter | Enter/S-Enter : Next/Prev Choice | Exit : Pause Key

Session 1   Press <Control> <EnterKpd> to Toggle Session

1. Press the **F7** button
2. Use the **Arrow Keys** to move over to **Comm Mode**
3. Press **Enter** or **Spacebar** until the correct **Choice** is highlighted (Full Duplex for 5ESS)
   Note: The common setting for 5ESS is either Full Duplex or Full Block
4. Press **<Control> <EnterKpd> to Toggle to Session 2** *(see page 2 - "Switching Sessions")*

FIGURE 6B

| F1 Quick | F2 Genrl | F3 Displ | F4 Kybd | F5 Keys | F6 Ports | F7 Host | F8 Print | F9 Emul | F10 Tabs | F11 AnsBk | F12 Prog | PrtSc Exec |

Save all? (Y/N)

Parameters

Comm Mode=Full Duplex   Local=Off   Recv <CR>=<CR>

Recv <DEL>=Ignore   Null Suppress=On   Send Block Term=None

Send Region=Screen   Send End=Region

Choices

Full Duplex   Half Duplex   Full Block   Half Block

Select

↑ → ↓ ← : Parameter | Enter/S-Enter : Next/Prev Choice | Exit : Pause Key

Session 2   Press <Control> <EnterKpd> to Toggle Session

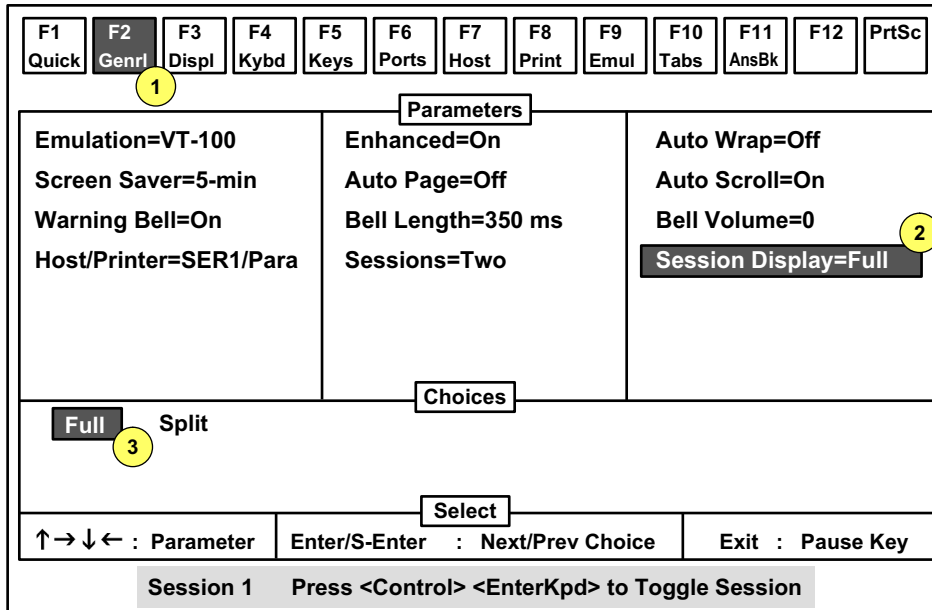5. Use the **Arrow Keys** to move over to **Comm Mode** in session 2
6. Press **Enter** or **Spacebar** until the correct **Choice** is highlighted (Full Duplex for 5ESS)
   Note: The common setting for 5ESS is either Full Duplex or Full Block
7. When finished, press the **Pause Key** at the top right of the keyboard
8. When prompted with "**Save all?**", click **Y** to save the new **Parameters**

TT-DCAPCE Quick Guide

CHANGING THE SCREEN DISPLAY TO FULL OR SPLIT SCREEN*

Note: Applies to dual sessions only.

FIGURE 7

1. Press the **F2** button
2. Use the **Arrow Keys** to move over to **Session Display**
3. Press **Enter** or **Spacebar** until the correct **Choice** is highlighted (Full / Split)

FIGURE 8
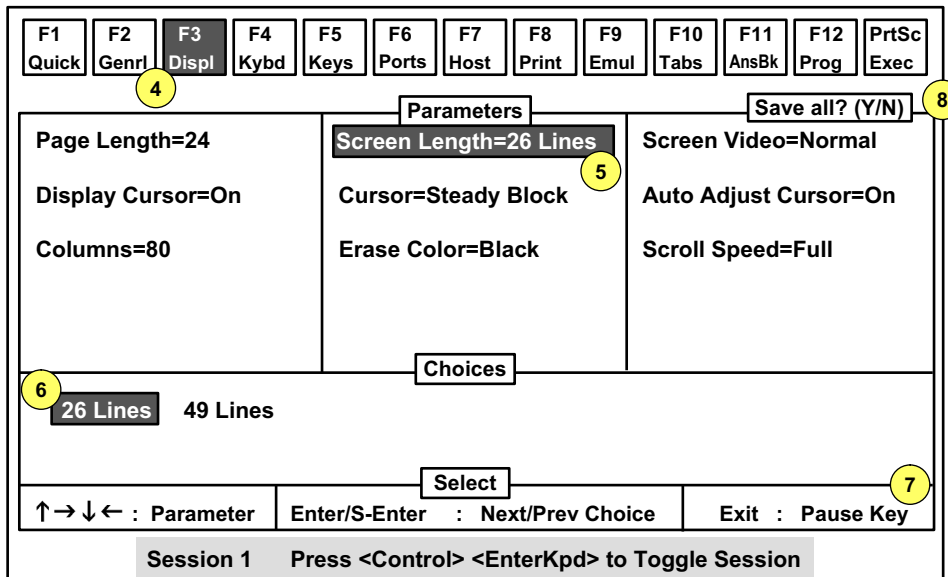
4. Press the **F3** button
5. Use the **Arrow Keys** to move over to **Screen Length**
6. Press **Enter** or **Spacebar** until the correct **Choice** is highlighted (26 Lines for Full Screen)
   (49 Lines for Split Screen)
7. When finished, press the **Pause Key** at the top right of the keyboard
8. When prompted with "**Save all?**", click **Y** to save the new **Parameter**

TT-DCAPCE Quick Guide

PROGRAMMING FUNCTION KEYS*

*Each function key has (4) programmable registers per session such as **F/key, sh-F/key, ctrl-F/key & ctrl-sh-F/key**
(These can be selected from the "Choices" located in the "**Program**" Parameter)

FIGURE 9

| F1 Quick | F2 Genrl | F3 Displ | F4 Kybd | F5 Keys | F6 Ports | F7 Host | F8 Print | F9 Emul | F10 Tabs | F11 AnsBk | F12 Prog | PrtSc Exec |

Parameters

Save all? (Y/N)

Key=F6

Program=F/key

Key Dir=Comm Dependent

Text: ^[[17~

DO NOT LEAVE A SPACE HERE

Label:

Choices

F1   F2   F3   F4   F5   **F6**   F7   F8   F9   F10   F11   F12

Select

↑ → ↓ ← : Parameter   Enter/S-Enter : Next/Prev Choice   Exit : Pause Key

Session 1   Press <Control> <EnterKpd> to Toggle Session

^[**[17~**

= ESC

Note:
For ^ press Shift+6

1. Press the **F12** button

2. The curser will appear in the "Key" Field with F1 as the default (**DO NOT** change F1-F4)

3. Select a new function key to program by pressing **Enter** or **Spacebar** until the correct **Choice** is highlighted (for example choose F6)

4. Arrow down to move to the "Text" Field

5. Type in the "Function" for the key.   *CAUTION: The first character in the Text Field cannot be left blank*

    Example: To program **ESC[17~**   Type: **Shift+6** **[[17** **Shift+`**   = (**^[[17~**)

6. To program another function, arrow back up to the "Key" Field & repeat steps 3-5

7. When finished, press the **Pause Key** at the top right of the keyboard

8. When prompted with "**Save all?**", click **Y** to save the new **Parameter**

FUNCTION KEYS ARE PRE-PROGRAMMED FOR 5ESS - DO NOT CHANGE

In case you need to reprogram 5ESS F Key commands:

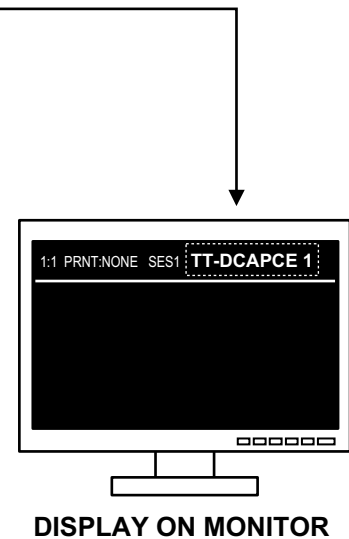| 5ESS Keyboard Command Lines for (F1,F2,F3,F4)			
(EA DISPLAY)	(NORM DISPLAY)	(CMD/MSG)	(ALM/RLS)
F1 = **^[OP**	F2 = **^[OQ**	F3 = **^[OR**	F4 = **^[OS**

TT-DCAPCE Quick Guide

CHANGING THE SCREEN TITLE

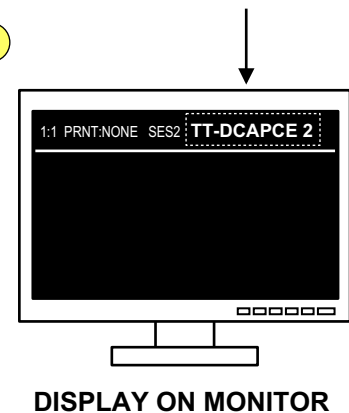*Note: This will change the title at the top of each Session.*

FIGURE 10A

F1 Quick	F2 Genrl	F3 Displ	F4 Kybd	F5 Keys	F6 Ports	F7 Host	F8 Print	F9 Emul	F10 Tabs	F11 AnsBk	F12 Prog	PrtSc Exec

Parameters

Answerback Mode=Off   Answerback Conceal

Answerback Message:

Screen Title: TT-DCAPCE 1_

Choices

<Backspace> : Delete Character   <Shift><Backspace> : Default Field

Select

↑→↓← : Parameter | Enter/S-Enter : Next/Prev Choice | Exit : Pause Key

Session 1   Press <Control> <EnterKpd> to Toggle Session

1:1 PRNT:NONE SES1 **TT-DCAPCE 1**

DISPLAY ON MONITOR

1. Press the **F11** button

FOR SESSION 1
2. Use the **Arrow Keys** to move the curser down to **Screen Title**
3. Type in a Title for Session 1 (Example: TT-DCAPCE 1)
4. Press **<Control> <EnterKpd> to Toggle to Session 2** *(see page 2 - "Switching Sessions")*

FIGURE 10B

F1 Quick	F2 Genrl	F3 Displ	F4 Kybd	F5 Keys	F6 Ports	F7 Host	F8 Print	F9 Emul	F10 Tabs	F11 AnsBk	F12 Prog	PrtSc Exec

Parameters   **Save all? (Y/N)**

Answerback Mode=Off   Answerback Conceal

Answerback Message:

Screen Title: TT-DCAPCE 2_

Choices

<Backspace> : Delete Character   <Shift><Backspace> : Default Field

Select

↑→↓← : Parameter | Enter/S-Enter : Next/Prev Choice | Exit : Pause Key

Session 2   Press <Control> <EnterKpd> to Toggle Session

1:1 PRNT:NONE SES2 **TT-DCAPCE 2**

DISPLAY ON MONITOR

FOR SESSION 2
5. Use the **Arrow Keys** to move the curser down to **Screen Title**
6. Type in a Title for Session 2 (Example: TT-DCAPCE 2)
7. When finished, press the **Pause Key** at the top right of the keyboard
8. When prompted with "**Save all?**", click **Y** to save the new **Parameters**

TT-DCAPCE Quick Guide

5ESS DEFAULT SETTINGS*

*Note: When using Dual Sessions, parameters must be set for both sessions.

Note: Items in **Bold** may require Local Settings.

FIGURE 11

Menu	Key	Parameters Available (Not all will display for a given emulation, keyboard, or video mode)		
Quick	**F1**	Emulation = VT-100 Comm Mode = Full Duplex Enhanced = On Host/Printer = SER1/Para SER2/Para	**SER1 Baud Rate = 4800** **SER2 Baud Rate = 4800** Language = U.S.	**SER1 Data Format = 7/1/E** **SER2 Data Format = 7/1/E** Sessions = Two
General	**F2**	Emulation = VT-100 Screen Saver = Off Warning Bell = On Host/Printer = SER1/Para SER2/Para	Enhanced = On Auto Page = Off Bell Length = 350 ms Sessions = Two	Auto Wrap = On Auto Scroll = On Bell Volume = 0 Session Display = Full
Display	**F3**	Page Length = 24 Display Cursor = On Columns = 80	Screen Length = 26 Lines Cursor = Blink Block Erase Color = Black	Screen Video = Normal Auto Adjust Cursor = On Scroll Speed = Full
Keyboard	**F4**	Language = U.S. Key Click = On Num Lock = Toggle	Char Set Mode = ANSI Key Repeat = Off Key Lock = Reverse	Margin Bell = Off Key Rate = 20 cps Caps Lock = Toggle
Keys	**F5**	Enter Key = <CR> Alt Key = Compose UDKS = Emul Dependent	Return Key = <CR> Disconnect = Pause	Backspace = <BS>/<BS> Return Key Repeat = Off
Ports	**F6**	SER1 Baud Rate = 4800 SER2 Baud Rate = 4800 SER1 Xmt = Xon-Xoff SER2 Xmt = Xon-Xoff SER1 Break = 250 ms SER2 Break = 250 ms	SER1 Data Format = 7/1/E SER2 Data Format = 7/1/E SER1 Recv = Xon-Xoff(XPC) SER2 Recv = Xon-Xoff(XPC) SER1 Modem Control = Off SER2 Modem Control = Off	SER1 Parity Check = Off SER2 Parity Check = Off SER1 Xmt Pace = Baud SER2 Xmt Pace = Baud SER1 Disconnect = 2 sec SER2 Disconnect = 2 sec
Host	**F7**	**Comm Mode = Full Duplex** Recv <DEL> = Ignore Send Region = Screen	Local = Off Null Suppress = On Send End = Region	Recv <CR> = <CR> Send Block Term = None
Print	**F8**	**Prnt Mode = Normal**	Prnt Region = Screen	Prnt Block = None
Emulation	**F9**	Numeric Kpd = Numeric ANSI-ID = VT220 Status Line = Indicator	Cursor Kpd = Cursor Feature Lock = Off	Send Data = All Function Key Lock = Off
Tabs	**F10**	Auto Init Tabs = Off	Default Tabs	
Answerback	**F11**	Answerback Mode = Off	Answerback Conceal	
Program	**F12**	Key = F6 Text: rst:aivlc	Program = F/Key	Key Dir = Comm Dependent
Execute	**Prt Sc**	Save Terminal Save Session Reset Terminal Clear Screen Terminal Version	Recall Terminal Recall Session Reset Session Default Session UDKS	Default Terminal Default Session Reset Ports Update Terminal
Exit Setup	**Pause**	Save all? (Y/N)		

SER1 = SERIAL PORT 1   SER2 = SERIAL PORT 2

TT-DCAPCE Quick Guide

STP-ALU DEFAULT SETTINGS*

DEX600 DEFAULT SETTINGS*

***Note:** When using Dual Sessions, parameters must be set for both sessions.*

Note: Items in **Bold** may require Local Settings.

FIGURE 12

Menu	Key	Parameters Available
		(Not all will display for a given emulation, keyboard, or video mode)
Quick	**F1**	Emulation = VT-100 **SER1 Baud Rate = 9600** **SER1 Data Format = 8/1/N** Comm Mode = Full Duplex **SER2 Baud Rate = 9600** **SER2 Data Format = 8/1/N** Enhanced = On Language = U.S. Sessions = Two Host/Printer = SER1/Para SER2/Para
General	**F2**	Emulation = VT-100 Enhanced = On Auto Wrap = On Screen Saver = Off Auto Page = Off Auto Scroll = On Warning Bell = On Bell Length = 350 ms Bell Volume = 0 Host/Printer = SER1/Para Sessions = Two Session Display = Full SER2/Para
Display	**F3**	Page Length = 24 Screen Length = 26 Lines Screen Video = Normal Display Cursor = On Cursor = Blink Block Auto Adjust Cursor = On Columns = 80 Erase Color = Black Scroll Speed = Full
Keyboard	**F4**	Language = U.S. Char Set Mode = ANSI Margin Bell = Off Key Click = On Key Repeat = Off Key Rate = 20 cps Num Lock = Toggle Key Lock = Reverse Caps Lock = Toggle
Keys	**F5**	Enter Key = <CR> Return Key = <CR> Backspace = <BS>/<BS> Alt Key = Compose Disconnect = Pause Return Key Repeat = Off UDKS = Emul Dependent
Ports	**F6**	SER1 Baud Rate = 9600 SER1 Data Format = 8/1/N SER1 Parity Check = Off SER2 Baud Rate = 9600 SER2 Data Format = 8/1/N SER2 Parity Check = Off SER1 Xmt = Xon-Xoff SER1 Recv = Xon-Xoff(XPC) SER1 Xmt Pace = Baud SER2 Xmt = Xon-Xoff SER2 Recv = Xon-Xoff(XPC) SER2 Xmt Pace = Baud SER1 Break = 250 ms SER1 Modem Control = Off SER1 Disconnect = 2 sec SER2 Break = 250 ms SER2 Modem Control = Off SER2 Disconnect = 2 sec
Host	**F7**	**Comm Mode = Full Duplex** Local = Off Recv <CR> = <CR> Recv <DEL> = Ignore Null Suppress = On Send Block Term = None Send Region = Scroll Send End = Region
Print	**F8**	**Prnt Mode = Normal** Prnt Region = Screen Prnt Block = None
Emulation	**F9**	Numeric Kpd = Numeric Cursor Kpd = Cursor Send Data = All ANSI-ID = VT-100 Feature Lock = Off Function Key Lock = Off Status Line = Indicator
Tabs	**F10**	Auto Init Tabs = Off Default Tabs
Answerback	**F11**	Answerback Mode = Off Answerback Conceal
Program	**F12**	Key = F6 Program = F/Key Key Dir = Comm Dependent Text: rst:aivlc
Execute	**Prt Sc**	Save Terminal Recall Terminal Default Terminal Save Session Recall Session Default Session Reset Terminal Reset Session Reset Ports Clear Screen Default Session UDKS Update Terminal Terminal Version
Exit Setup	**Pause**	Save all? (Y/N)

SER1 = SERIAL PORT 1   SER2 = SERIAL PORT 2

TT-DCAPCE Quick Guide

NOTES & TIPS

NOTES & TIPS   5ESS INSTALLATION NOTES

A. WHEN THE TERMINAL IS FIRST INSTALLED, THE SCROLLING REGION IS NOT ESTABLISHED.

    1. RE-ESTABLISH THE SCROLLING REGION BY ENTERING PAGE 120 (NOTES).

    2. GO TO THE TOP ZONE TO CLEAR THE SCREEN.

    3. THEN EXIT PAGE 120 BACK TO THE PAGE YOU WERE ON (PAGE 100 FOR EXAMPLE).

B. THE EMERGENCY ACTION KEY (F1) MAY BE DISABLED IN THE SWITCH -

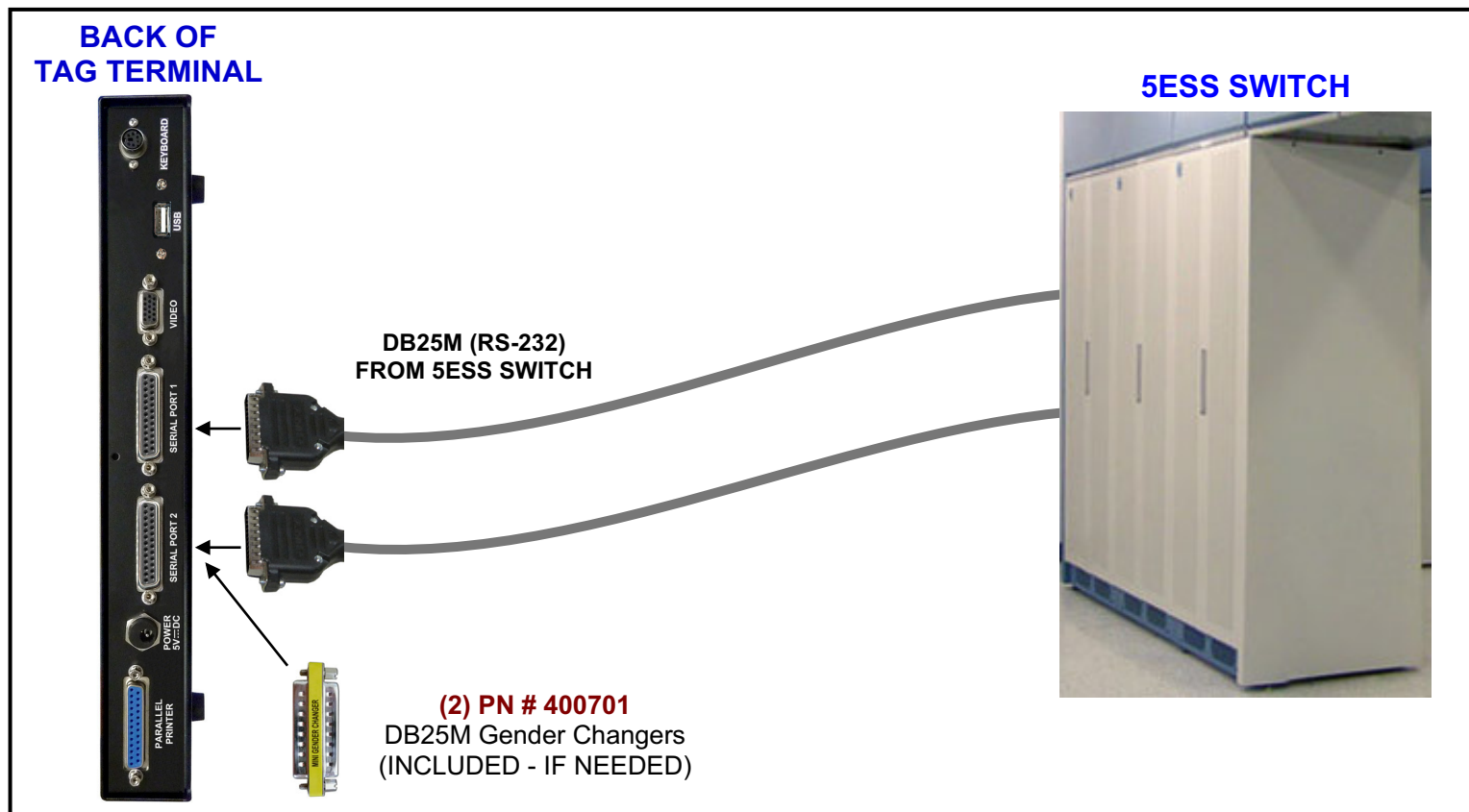THE TERMINAL SENDS THE PROPER EA CODE BUT THE 5ESS DOES NOT RESPOND BECAUSE EA IS DISABLED AT THE TERMINAL.

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590093A-002.dsf (01/15/21)

NOTES & TIPS   5ESS INSTALLATION NOTES

IF YOU HAVE:

- 25 PIN MALE (RS-232) CONNECTOR FROM THE SWITCH,
   PLUG IT TO THE TERMINAL AS SHOWN (SEE FIGURE 13)

- 25 PIN FEMALE (RS-232) CONNECTOR FROM THE SWITCH,
   USE THE INCLUDED GENDER CHANGERS & PLUG IT TO THE TERMINAL

FIGURE 13

**BACK OF
TAG TERMINAL**

5ESS SWITCH

**DB25M (RS-232)
FROM 5ESS SWITCH**

(2) PN # 400701
DB25M Gender Changers
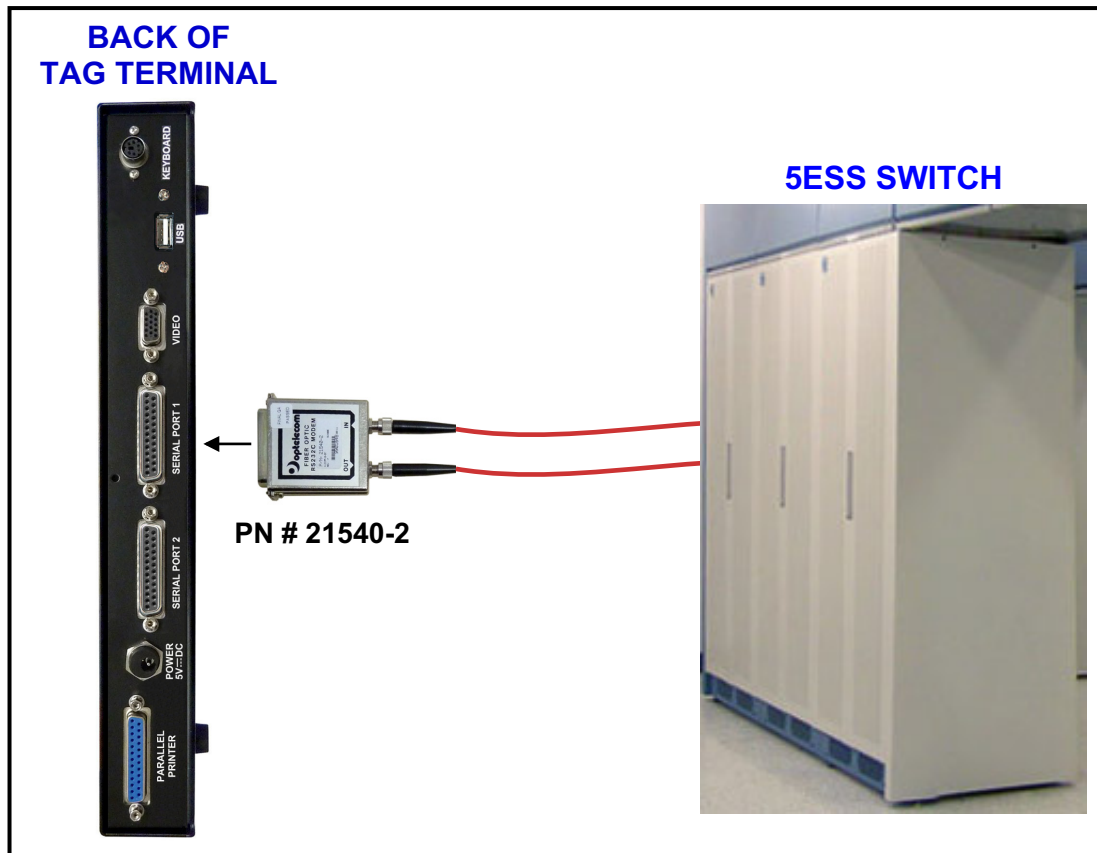(INCLUDED - IF NEEDED)

NOTES & TIPS   5ESS INSTALLATION NOTES
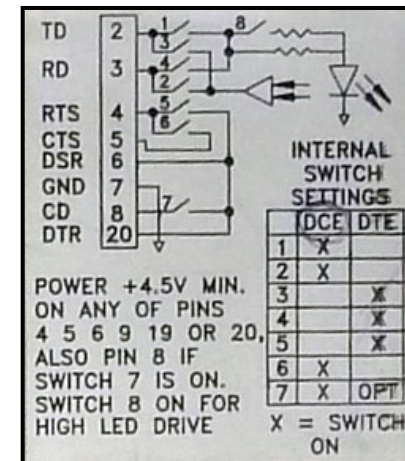
IF YOU HAVE:

- OPTO ADAPTER WITH SMA 906 MULTIMODE FIBER CORDS FROM THE SWITCH,
  PLUG IT TO THE TERMINAL

   - CHECK THE SETTINGS AS SHOWN (SEE FIGURE 15)

FIGURE 15

FIGURE 14

BACK LABEL OF PN # 21540-2

**BACK OF
TAG TERMINAL**

5ESS SWITCH

PN # 21540-2

SETTINGS:

- MODEL OPTELECOM FIBER OPTIC
  RS232C MODEM (PN # 21540-2) OUT
  PUTS ON DB25 MALE.

- SET UP PER BACK LABEL "DCE",
  OUT ON PIN 3, IN ON PIN 2, PIN 20
  TO 8 & 6 & 4.