

BEKINS DPCL COMMAND SEQUENCE QUICK REFERENCE

Part No. BBF-104837 Rev. *

The A3300, C3300 and T3300 now include the DPCL (Datasouth Printer Control Language) Emulation. The following are some other changes that have been made to the standard software.

Virtual Forms Selection

The Virtual Forms Selection (*VFS*) capability on the 3300 Series printer allows automatic selection of printer profiles based on the active interface (serial/parallel). Since each printer profile contains all form features (paper path, form length, LPI, CPI etc.), using VFS allows automatic paper path selection (on dual tractor models) and form configuration with **no host** programming.

On single tractor models the form will be parked (after tearing off) and the user requested to load the new one when VFS is used.

On models equipped with the optional “**Quik-Cutter**”, the forms will be automatically cut when changing from one paper path to another.

VFS is configured on the N3300 Series printers by setting the following two features and configuring the LAN interface and host computer to use either the serial or parallel ports.

Profile Select Feature via Serial/Parallel Port

Under M7 Profile Control, the **Parallel Port** feature (Par Prt Off) specifies which profile is automatically selected when a new print job is received on the parallel interface.

Ex. To select profile 1 (renamed Checks) when data is received on the parallel port:
Par Prt Checks

The **Serial Port** feature (Ser Prt Off) specifies which profile is automatically selected when a new print job is received on the serial interface.

Ex. To select profile 2 (renamed Invoices) when data is received on the serial port:
Ser Prt Invoices

Display: "Ser Prt *Invoices*"
or
"Par Prt *Checks*"

Description: This feature allows the user to specify the default profile for each of the communication interfaces. At the start of a print job, the printer

checks to ensure that the default profile associated with the active communication interface matches the active profile. If not, a tear off occurs, the default profile is selected, the form is parked, and a new form will be loaded from the paper path associated with the newly selected profile.

Range: OFF
Profile 1
Profile 2
"
"
<Max Profiles>

Default: OFF

If this feature is set to OFF, the communications interface profile selection feature will be ignored.

DPCL Sequence:

Parallel Port Sequence: ESC \$ \$ E 1 . I 3 4 ; <n> . X .
Serial Port Sequence: ESC \$ \$ E 1 . I 3 3 ; <n> . X .

Where <n> is 0(off) to max profiles.

To change any of these feature values refer to the User Manual, Chapter 4 *Features and Profiles*.

DPCL COMMANDS

This printer is equipped with the DPCL Emulation that allows downline programming capabilities.

DPCL Command Sequence Summary

ASCII Command	DPCL Emulation Command Description
ESC\$\$EE _l .	DPCL entry mode
X.	DPCL exit mode
I1; <i>P_l</i> .	Forms Length
I2; <i>P_l</i> .	Vertical Pitch
I3; <i>P_l</i> .	Top Margin
I4; <i>P_l</i> .	Bottom Margin
I5; <i>P_l</i> .	Left Margin
I6; <i>P_l</i> .	Right Margin
I7; <i>P_l</i> .	Manual Tear Time
I8; <i>P_l</i> .	Automatic Tear Time
I10; <i>P_l</i> .	Paper Slew Speed
I11; <i>P_l</i> .	Buffer Size Control
I13; <i>P_l</i> .	DGCL or Bar Code Command Character
I15; <i>P_l</i> .	Coax Maximum Print Position
I16; <i>P_l</i> .	Number of Data Bits (ASCII)
I17; <i>P_l</i> .	Maximum Profile Number
I18; <i>P_l</i> .	Change Profile
I19; <i>P_l</i> .	Automatic Form Gap Distance
I24; <i>P_l</i> .	Window Size Control
I25; <i>P_l</i> .	Heavy Forms Carriage Position
I26; <i>P_l</i> .	Heavy Forms Activation
I27; <i>P_l</i> .	Cut Sheet Timeout
I28; <i>P_l</i> .	Cut Sheet Calibration
I29; <i>P_l</i> .	Horizontal Gap Position
I30; <i>P_l</i> .	Vertical Gap Position

DPCL Command Sequences (cont.)

ASCII Command	DPCL Emulation Command Description
A1; P_1 ; P_2 ; P_{32} .	Set Horizontal Tabs
A2; P_1 ; P_2 ; P_{32} .	Clear Horizontal Tabs
A3; P_1 ; P_2 ; P_{32} .	Set Vertical Tabs
A4; P_1 ; P_2 ; P_{32} .	Clear Vertical Tabs
F2; P_1 .	Tractor Horizontal Adjust Distance
F5; P_1 .	Tear Off Distance
R1; P_1 .	Clear All Horizontal Tabs
R2; P_1 .	Clear All Vertical Tabs
R3; P_1 .	Save Profile
R4; P_1 .	Reset Profile
R5; P_1 .	Print Profile
R6; P_1 .	Print Wire Test
R8; P_1 .	Form Thickness Adjustment
R10; P_1 .	Reset Quick List
R12; P_1 .	Execute Mode Test
R13; P_1 P_2 .	Execute Self Test
R14; P_1 P_2 .	Reset NVRAM
R15; P_1 .	Reset Keypad Lockout
B2; P_1 .	Automatic Line Feed
B3; P_1 .	Automatic Carriage Return
B4; P_1 .	Automatic Line Wrap
B5; P_1 .	Unidirectional Print
B7; P_1 .	Power Up On Line
B8; P_1 .	Quiet Mode (Not available on Quiet Option)
B9; P_1 .	DGCL/Barcode Recognition
B10; P_1 .	One Dot Overlap

DPCL Command Sequences (cont.)

ASCII Command	DPCL Emulation Command Description
B11; <i>P₁</i> .	Twinax/Coax Command Pass Through
B12; <i>P₁</i> .	Twinax Font Lock
B13; <i>P₁</i> .	Twinax Margin Lock
B14; <i>P₁</i> .	Twinax Vertical Pitch Lock
B15; <i>P₁</i> .	Twinax Forms Length Lock
B16; <i>P₁</i> .	Twinax/Coax Paper Move On Line
B17; <i>P₁</i> .	Twinax/Coax Clear Printer Buffer
B18; <i>P₁</i> .	Coax Form Feed After Local Print
B19; <i>P₁</i> .	Coax Form Feed Before Local Print
B20; <i>P₁</i> .	Coax Prints Nulls as Spaces
B21; <i>P₁</i> .	DTR Handshaking Enable (ASCII Only)
B22; <i>P₁</i> .	Modem Control Enable (ASCII Only)
B24; <i>P₁</i> .	Eighth Bit Enable (ASCII Only)
B25; <i>P₁</i> .	Parallel Enable
B26; <i>P₁</i> .	Print Suppression
B27; <i>P₁</i> .	Paper Out Detection Defeat
B28; <i>P₁</i> .	Auto Path Switch (Documax Dual Tractor)
B29; <i>P₁</i> .	Vertical Graphics
B30; <i>P₁</i> .	Horizontal Graphics
B32; <i>P₁</i> .	High Impact
E1; <i>P₁</i> .	Manual Tear
E2; <i>P₁</i> .	Emulation Mode
E3; <i>P₁</i> .	Font/Pitch
E4; <i>P₁</i> .	Symbol Set
E5; <i>P₁</i> .	Nationality
E6; <i>P₁</i> .	Slashed Zeroes

DPCL Command Sequences (cont.)

ASCII Command	DPCL Emulation Command Description
E7; <i>P₁</i> .	DGCL/Bar Code Exit Mode
E8; <i>P₁</i> .	Twinax Device Address
E9; <i>P₁</i> .	Twinax Device ID
E10; <i>P₁</i> .	Twinax International Character Set
E11; <i>P₁</i> .	Coax Lines Per Inch
E12; <i>P₁</i> .	Coax Physical Buffer Size
E13; <i>P₁</i> .	Coax Logical Buffer Size
E14; <i>P₁</i> .	Coax Mono/Dual Case Printing
E15; <i>P₁</i> .	Coax Single/Double Spacing
E16; <i>P₁</i> .	Coax International Character Set
E17; <i>P₁</i> .	Coax Paper Out Timer
E18; <i>P₁</i> .	Baud Rate (ASCII Only)
E19; <i>P₁</i> .	Serial Configuration (ASCII Only)
E20; <i>P₁</i> .	Parity (ASCII Only)
E21; <i>P₁</i> .	Serial Handshake Mode (ASCII Only)
E22; <i>P₁</i> .	Parallel Handshake Mode
E23; <i>P₁</i> .	Parallel Acknowledge Mode
E24; <i>P₁</i> .	Paper Path
E25; <i>P₁</i> .	Key Control
E27; <i>P₁</i> .	Mechanical Configuration
E28; <i>P₁</i> .	Auto Tear Off Mode
E29; <i>P₁</i> .	IBM Character Set
E30; <i>P₁</i> .	X-on Control
E31; <i>P₁</i> .	X-off Control
S1; <i>P₁</i> .	Profile Name
C.	Comment