

## BEKINS DPCL COMMAND SEQUENCE QUICK REFERENCE

Part No. BBF-104837 Rev. \*

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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 <sub>l</sub> .    | DPCL entry mode                    |
| X.                          | DPCL exit mode                     |
| I1; <i>P<sub>l</sub></i> .  | Forms Length                       |
| I2; <i>P<sub>l</sub></i> .  | Vertical Pitch                     |
| I3; <i>P<sub>l</sub></i> .  | Top Margin                         |
| I4; <i>P<sub>l</sub></i> .  | Bottom Margin                      |
| I5; <i>P<sub>l</sub></i> .  | Left Margin                        |
| I6; <i>P<sub>l</sub></i> .  | Right Margin                       |
| I7; <i>P<sub>l</sub></i> .  | Manual Tear Time                   |
| I8; <i>P<sub>l</sub></i> .  | Automatic Tear Time                |
| I10; <i>P<sub>l</sub></i> . | Paper Slew Speed                   |
| I11; <i>P<sub>l</sub></i> . | Buffer Size Control                |
| I13; <i>P<sub>l</sub></i> . | DGCL or Bar Code Command Character |
| I15; <i>P<sub>l</sub></i> . | Coax Maximum Print Position        |
| I16; <i>P<sub>l</sub></i> . | Number of Data Bits (ASCII)        |
| I17; <i>P<sub>l</sub></i> . | Maximum Profile Number             |
| I18; <i>P<sub>l</sub></i> . | Change Profile                     |
| I19; <i>P<sub>l</sub></i> . | Automatic Form Gap Distance        |
| I24; <i>P<sub>l</sub></i> . | Window Size Control                |
| I25; <i>P<sub>l</sub></i> . | Heavy Forms Carriage Position      |
| I26; <i>P<sub>l</sub></i> . | Heavy Forms Activation             |
| I27; <i>P<sub>l</sub></i> . | Cut Sheet Timeout                  |
| I28; <i>P<sub>l</sub></i> . | Cut Sheet Calibration              |
| I29; <i>P<sub>l</sub></i> . | Horizontal Gap Position            |
| I30; <i>P<sub>l</sub></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<br>Command Description   |
|-----------------------------|---|
| B11; <i>P<sub>1</sub></i> . | Twinax/Coax Command Pass Through        |
| B12; <i>P<sub>1</sub></i> . | Twinax Font Lock                        |
| B13; <i>P<sub>1</sub></i> . | Twinax Margin Lock                      |
| B14; <i>P<sub>1</sub></i> . | Twinax Vertical Pitch Lock              |
| B15; <i>P<sub>1</sub></i> . | Twinax Forms Length Lock                |
| B16; <i>P<sub>1</sub></i> . | Twinax/Coax Paper Move On Line          |
| B17; <i>P<sub>1</sub></i> . | Twinax/Coax Clear Printer Buffer        |
| B18; <i>P<sub>1</sub></i> . | Coax Form Feed After Local Print        |
| B19; <i>P<sub>1</sub></i> . | Coax Form Feed Before Local Print       |
| B20; <i>P<sub>1</sub></i> . | Coax Prints Nulls as Spaces             |
| B21; <i>P<sub>1</sub></i> . | DTR Handshaking Enable (ASCII Only)     |
| B22; <i>P<sub>1</sub></i> . | Modem Control Enable (ASCII Only)       |
| B24; <i>P<sub>1</sub></i> . | Eighth Bit Enable (ASCII Only)          |
| B25; <i>P<sub>1</sub></i> . | Parallel Enable                         |
| B26; <i>P<sub>1</sub></i> . | Print Suppression                       |
| B27; <i>P<sub>1</sub></i> . | Paper Out Detection Defeat              |
| B28; <i>P<sub>1</sub></i> . | Auto Path Switch (Documax Dual Tractor) |
| B29; <i>P<sub>1</sub></i> . | Vertical Graphics                       |
| B30; <i>P<sub>1</sub></i> . | Horizontal Graphics                     |
| B32; <i>P<sub>1</sub></i> . | High Impact                             |
| E1; <i>P<sub>1</sub></i> .  | Manual Tear                             |
| E2; <i>P<sub>1</sub></i> .  | Emulation Mode                          |
| E3; <i>P<sub>1</sub></i> .  | Font/Pitch                              |
| E4; <i>P<sub>1</sub></i> .  | Symbol Set                              |
| E5; <i>P<sub>1</sub></i> .  | Nationality                             |
| E6; <i>P<sub>1</sub></i> .  | Slashed Zeroes                          |

## DPCL Command Sequences (cont.)

| ASCII Command               | DPCL Emulation<br>Command Description |
|-----------------------------|---------------------------------------|
| E7; <i>P<sub>1</sub></i> .  | DGCL/Bar Code Exit Mode               |
| E8; <i>P<sub>1</sub></i> .  | Twinax Device Address                 |
| E9; <i>P<sub>1</sub></i> .  | Twinax Device ID                      |
| E10; <i>P<sub>1</sub></i> . | Twinax International Character Set    |
| E11; <i>P<sub>1</sub></i> . | Coax Lines Per Inch                   |
| E12; <i>P<sub>1</sub></i> . | Coax Physical Buffer Size             |
| E13; <i>P<sub>1</sub></i> . | Coax Logical Buffer Size              |
| E14; <i>P<sub>1</sub></i> . | Coax Mono/Dual Case Printing          |
| E15; <i>P<sub>1</sub></i> . | Coax Single/Double Spacing            |
| E16; <i>P<sub>1</sub></i> . | Coax International Character Set      |
| E17; <i>P<sub>1</sub></i> . | Coax Paper Out Timer                  |
| E18; <i>P<sub>1</sub></i> . | Baud Rate (ASCII Only)                |
| E19; <i>P<sub>1</sub></i> . | Serial Configuration (ASCII Only)     |
| E20; <i>P<sub>1</sub></i> . | Parity (ASCII Only)                   |
| E21; <i>P<sub>1</sub></i> . | Serial Handshake Mode (ASCII Only)    |
| E22; <i>P<sub>1</sub></i> . | Parallel Handshake Mode               |
| E23; <i>P<sub>1</sub></i> . | Parallel Acknowledge Mode             |
| E24; <i>P<sub>1</sub></i> . | Paper Path                            |
| E25; <i>P<sub>1</sub></i> . | Key Control                           |
| E27; <i>P<sub>1</sub></i> . | Mechanical Configuration              |
| E28; <i>P<sub>1</sub></i> . | Auto Tear Off Mode                    |
| E29; <i>P<sub>1</sub></i> . | IBM Character Set                     |
| E30; <i>P<sub>1</sub></i> . | X-on Control                          |
| E31; <i>P<sub>1</sub></i> . | X-off Control                         |
| S1; <i>P<sub>1</sub></i> .  | Profile Name                          |
| C.                          | Comment                               |