BP PR300+ Firmware Update

Firmware Update

The firmware of the printer is saved in a Flash EPROM. You can update the firmware using the following functions:

- **`Firmware upd`**: Copy a firmware file from a computer connected to one of the interfaces of a label printer .
- **`Firmw. fr. card`**: Copy a firmware file from a memory card.
- FTP firmware update via FTP printer management.

Copy New Firmware via Interface

1. On the front *Control Panel*, press **MENU**.

2. On the menu, select **Service > Firmware Upd**.

3. Press the ↵ (**ENT**) button. The **`Firmware-Upd`** message displays.

4. Press the ↵ (**ENT**) button.

5. If the function **`Firmware Upd.`** is protected via a PIN, use the buttons ▲, ▼, ▶, ◀, to enter the code number and confirm with the ↵ button.

6. On the PC, open the *DOS Command Prompt* window.

7. Configure the serial interface of the PC using the mode command (e.g., enter the command **mode com1: baud=115200 parity=n data=8 stop=1**).

8. Send the firmware file to the printer (e.g., enter the command **copy /b 303_6518.x2 com1,**
   A progress indicator displays while the firmware is being copied. Once copying is successfully completed, **OK** displays.

9. Press the ↵ (**ENT**) button.

Copy New Firmware from Memory Card

1. Format the CompactFlash (CF) memory card in the printer. The directories *fonts*, *images*, *labels* and *misc* are created on the memory card here.

2. Copy the firmware file to the *misc* directory in any CompactFlash (CF) drive.

3. Insert the prepared CF memory card into the printer.

4. On the front *Control Panel* of the printer, press **MENU**.

5. On the menu, select **Service > Firmw. fr. card**.

6. Press the ↵ (**ENT**) button.

7. If the function `Firmware Upd.` is protected via a PIN, use the buttons ▲, ▼, ▶, ◀, to enter the code number and confirm with the ↵ button.

8. On the PC, open the *DOS Command Prompt* window. The names of the firmware files located on the memory card are shown in the display.

9. If several firmware files are on the memory card, select the desired file with the ▲ ▼ buttons.

10. Press the ↵ (**ENT**) button. The selected firmware file is copied. A progress indicator displays while the firmware is being copied. Once copying is successfully completed, **OK** displays.

11. Press the ↵ (**ENT**) button.

FTP Firmware Update

Using the File Transfer Protocol (FTP), you can do a firmware update on the network via the Ethernet interface. You will need an FTP program (FTP client) that supports the "binary" transfer mode to manage the printer. The printer functions as an FTP server.

To establish an FTP connection, the client must be logged on to the server. The logon type depends on the client. The following information must be specified in all cases:

- IP address of the label printer
- User name and password

> **Important!** To do a firmware update, you **must** be logged on with the username "root." Be sure to define a PIN for FTP access with the user name "root." The initial setting of the PIN can be made on the printer operating panel or the printer website.

1. Check that the label printer is in *Ready* mode. See the *Status* tab of the printer website.

2. Start the FTP client.

3. Establish a connection to the printer using the IP address.

4. Log on with the user name "root" and the PIN of the printer as password.

5. Set the *binary* transfer mode in the FTP client.

6. Open the *system* folder.

7. Copy a valid firmware file (e.g., 303_6518.x2) to the *system* folder. **FTP-Firmware-UPd** appears in the display of the printer. The status of the save is shown by a progress indicator in the display. The printer resets automatically after the update is carried out successfully.

> **Note:** You can check whether the firmware update was carried out successfully by going to the printer website and clicking on the *Status* tab.

Firmware Update Error Messages

If an error occurs during the firmware update, one of the following possible error codes displays:

Error code	Meaning
C	Checksum error. /b may have been forgotten in the COPY command, or the file is defective.
H	Header error. /b may have been forgotten in the COPY command, or the file is defective.
E	EPROM could not be cleared.
V	Programming voltage is too low.
P	Programming error.

> **Important!** If an error occurs with a firmware update, the old firmware version is no longer usable. In this case, you will need to restart programming.