USER GUIDE

LS 2208

Radwag

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BARCODE SCANNER

BARCODE SCANNERS PROGRAMMING
SYMBOL LS2208
POWERSCAN M8300
DATALOGIC PD9300
DATALOGIC PM9300
DATALOGIC PD9530
DATALOGIC PM9500

SOFTWARE MANUAL

ITKP-43-02-12-21-EN

This software manual is intended for users of barcode scanners of the following models: SYMBOL, POWERSCAN, DATALOGIC. Barcode scanners require a programming procedure in order to work properly with weighing instruments manufactured by RADWAG WAGI ELEKTRONICZNE. The process of barcode scanners programming is based on scanning the relevant barcodes in a specific order.

⚠	***Prior to the first use, carefully read this user manual. Use the device only as intended.***

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1. GENERAL INFORMATION

The process of barcode scanners programming is based on scanning the relevant barcodes in a specific order. The programming process varies depending on the type of scanner.

Once the scanner programming procedure is complete, the scanner must be checked for correct operation using one of two methods:

- by means of a computer terminal application, in which the read barcode sent from the scanner has an appropriate format, compliant with RADWAG standard.
- by connecting the scanner to the scale and performing the test function available in the menu.

	To work with RADWAG instruments it is required to assign a Prefix of 01 in hex and Suffix of 0D in hex in the scanner.
	The barcode scanner test function is described in detail in the respective scale's user manual.

2. SYMBOL LS2208 SCANNER

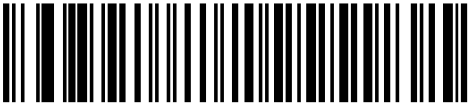
Procedure:

- Select communication interface: RS232, USB HID, COM emulation over USB.
- Program respective Prefix.
- Program respective Suffix.
- Program Scan Data Transmission Format.

2.1. Communication Interface Selection

Select communication interface by scanning one of the following codes.

Standard RS232



*Indicates Default — ***Baud Rate 9600** — Feature/Option

USB HID keyboard emulation

*HID Keyboard Emulation

COM emulation over USB (Windows 32bit) for PUE 5.15, PUE 5.19 terminals with image 1.x.x.

Simple COM Port Emulation

COM emulation over USB (Windows 64bit) for PUE 5.15, PUE 5.19 terminals with image 2.x.x.

USB CDC Host

2.2. Prefix Programming

Scan the following codes one by one.

Scan Prefix

1

0

0

1

2.3. Suffix Programming

Scan the following codes one by one.

Scan Suffix 1

1

0

1

3

2.4. Transmission Format Programming

The final step in the scanner programming is to activate the respective transmission format: **„Scan Data Transmission Format”**.

2.5. Prefix and Suffix Activation

Scan the following codes one by one.

Scan Options

<PREFIX> <DATA> <SUFFIX>

Enter

2.6. Prefix and Suffix Deactivation

Scan the following codes one by one.

Scan Options

*Data As Is

Enter

3. POWERSCAN M8300 SCANNER

Procedure:

- Select communication interface: RS232, USB HID, COM emulation over USB.
- Program respective Prefix.
- Program respective Suffix.
- Program Scan Data Transmission Format.

3.1. Communication Interface Selection

Select communication interface by scanning one of the following codes. After selecting the communication interface, turn the scanner off and on again.

Standard RS232

Standard

Enter Configuration

◆ 9600 baud

Exit and Save Configuration

USB HID keyboard emulation

USB-KBD

⚠	***The configuration requires the prefix and suffix to be set again.***

COM emulation over USB (Windows) for PUE 5.15, PUE 5.19 terminals

USB-COM*

⚠	***The configuration requires the prefix and suffix to be set again.***
⚠	***Required driver:*** *http://filecloud.radwag.com/index.php/s/uwPaZK99AVm2TDX*

3.2. Prefix Programming

Scan the following codes one by one.

Enter Configuration

one character header

0

1

Exit and Save Configuration

3.3. Suffix Programming

Scan the following codes one by one.

Enter Configuration

one character terminator

0

D

Exit and Save Configuration

3.4. Prefix Deactivation

Scan the following codes one by one.

Enter Configuration

no header

Exit and Save Configuration

3.5. Suffix Deactivation

Scan the following codes one by one.

Enter Configuration

no terminator

Exit and Save Configuration

4. PD9300 SCANNER (CABLE)

Procedure:

- Select communication interface: RS232, USB HID, COM emulation over USB.
- Restore default settings.
- Set RS232 baud rate (9600 bit/s).
- Program respective Prefix.
- Program respective Suffix.

Scanners with RS232 should be delivered with DB9 cable. After programming, the M12 8P or DB15 plug should be terminated (depending on the terminal the scanner works with). USB scanners mostly stay with the original USB A cable.

4.1. Communication Interface Selection

Select communication interface by scanning one of the following codes.

Standard RS232

Select RS232-STD

COM emulation over USB for PUE5.15, PUE5.19 terminals

Select USB COM-STD[a]

USB HID keyboard emulation

Select USB Keyboard

4.2. Restore Default Settings

Upon communication interface selection, restore the default settings of the scanner. These settings only work for the currently selected interface. Once the interface has been changed, the default settings for the scanner must be set again.

Restore Custom Default Configuration

4.3. Setting Baud Rate for RS232

The default setting for the scanner is 115200 bit/s. To change the baud rate to 9600 bit/s, scan the following codes one by one:

- Enter programming mode

Enter/Exit Programming Mode

- Select baud rate of 9600 bit/s

Baud Rate = 9600

- Exit programming mode

4.4. Prefix Programming

Scan the following codes one by one.

Enter/Exit Programming Mode

and again

Enter/Exit Programming Mode

The prefix is now programmed, and the scanner exits programming mode only after a double Enter/Exit code scan.

4.5. Suffix Programming

Scan the following codes one by one.

Enter/Exit Programming Mode

Set Global Suffix

0

D

Enter/Exit Programming Mode

and again

Enter/Exit Programming Mode

The suffix is now programmed, and the scanner exits programming mode only after a double Enter/Exit code scan.

5. PM9300 SCANNER (RADIO)

Procedure:

- Pair the scanner with the base.
- Select communication interface: RS232, USB HID, COM emulation over USB.
- Restore default settings.
- Set RS232 baud rate (9600 bit/s).
- Program respective Prefix.
- Program respective Suffix.

5.1. Scanner-Base Pairing

Procedure:

- Connect the included power supply to the base (for the base with RS232 cable). If the base communicates via USB, connect the USB cable to your computer.

- Press button (1) on the base for 5 seconds.

- Scan the following barcode:

Unlink

- Insert the scanner into the base and wait for beeps to confirm pairing.

5.2. Communication Interface Selection

Select communication interface by scanning one of the following codes.

Standard RS232

Select RS232-STD

USB HID keyboard emulation

Select USB Keyboard

COM emulation over USB for PUE 5.15, PUE 5.19 terminals

Select USB COM-STD[a]

5.3. Restore Default Settings

Upon communication interface selection, restore the default settings of the scanner. These settings only work for the currently selected interface. Once the interface has been changed, the default settings for the scanner must be set again.

Restore Custom Default Configuration

5.4. Setting Baud Rate for RS232

The default setting for the scanner is 115200 bit/s. To change the baud rate to 9600 bit/s, scan the following codes one by one:

- Enter programming mode:

Enter/Exit Programming Mode

- Select baud rate of 9600 bit/s:

Baud Rate = 9600

- Exit programming mode:

Enter/Exit Programming Mode

5.5. Prefix Programming

Scan the following codes one by one.

Enter/Exit Programming Mode

Set Global Prefix

0

1

Enter/Exit Programming Mode

and again

Enter/Exit Programming Mode

The prefix is now programmed, and the scanner exits programming mode only after a double Enter/Exit code scan.

5.6. Suffix Programming

Scan the following codes one by one.

Enter/Exit Programming Mode

Set Global Suffix

0

D

Enter/Exit Programming Mode

and again

Enter/Exit Programming Mode

The suffix is now programmed, and the scanner exits programming mode only after a double Enter/Exit code scan.

6. PD9530 SCANNER (CABLE)

Procedure:

- Select communication interface: RS232, USB HID, COM emulation over USB.
- Restore default settings.
- Set RS232 baud rate (9600 bit/s).
- Program respective Prefix.
- Program respective Suffix.

6.1. Communication Interface Selection

Select communication interface by scanning one of the following codes.

Standard RS232

Select RS232-STD

COM emulation over USB for PUE 5.15, PUE 5.19 terminals

Select USB COM-STD[a]

USB HID keyboard emulation

Select USB Keyboard

6.2. Restore Default Settings

Upon communication interface selection, restore the default settings of the scanner. These settings only work for the currently selected interface. Once the interface has been changed, the default settings for the scanner must be set again.

Restore Custom Default Configuration

6.3. Setting Baud Rate for RS232

The default setting for the scanner is 115200 bit/s. To change the baud rate to 9600 bit/s, scan the following codes one by one:

- Enter programming mode:

Enter/Exit Programming Mode

- Select baud rate of 9600 bit/s:

Baud Rate = 9600

- Exit programming mode:

Enter/Exit Programming Mode

6.4. Prefix Programming

Scan the following codes one by one.

Enter/Exit Programming Mode

Set Global Prefix

0

1

Enter/Exit Programming Mode

and again

Enter/Exit Programming Mode

The prefix is now programmed, and the scanner exits programming mode only after a double Enter/Exit code scan.

6.5. Suffix Programming

Scan the following codes one by one.

Enter/Exit Programming Mode

Set Global Suffix

0

D

Enter/Exit Programming Mode

and again

Enter/Exit Programming Mode

The suffix is now programmed, and the scanner exits programming mode only after a double Enter/Exit code scan.

7. PM9500 SCANNER (RADIO)

Procedure:

- Pair the scanner with the base.
- Select communication interface: RS232, USB HID, COM emulation over USB.
- Restore default settings.
- Set RS232 baud rate (9600 bit/s).
- Program respective Prefix.
- Program respective Suffix.

7.1. Scanner-Base Pairing

Procedure:

- Connect the included power supply to the base (for the base with RS232 cable). If the base communicates via USB, connect the USB cable to your computer.
- Press button (1) on the base for 5 seconds.

- Scan the following barcode:

Unlink

- Insert the scanner into the base and wait for beeps to confirm pairing.

7.2. Communication Interface Selection

Select communication interface by scanning one of the following codes.

Standard RS232

Select RS232-STD

COM emulation over USB for PUE 5.15, PUE 5.19 terminals

Select USB COM-STD[a]

USB HID keyboard emulation

Select USB Keyboard

7.3. Restore Default Settings

Upon communication interface selection, restore the default settings of the scanner. These settings only work for the currently selected interface. Once the interface has been changed, the default settings for the scanner must be set again.

Restore Custom Default Configuration

7.4. Setting Baud Rate for RS232

The default setting for the scanner is 115200 bit/s. To change the baud rate to 9600 bit/s, scan the following codes one by one:

- Enter programming mode:

Enter/Exit Programming Mode

- Select baud rate of 9600 bit/s:

Baud Rate = 9600

- Exit programming mode:

Enter/Exit Programming Mode

7.5. Prefix Programming

Scan the following codes one by one.

Enter/Exit Programming Mode

Set Global Prefix

0

1

Enter/Exit Programming Mode

and again

Enter/Exit Programming Mode

The prefix is now programmed, and the scanner exits programming mode only after a double Enter/Exit code scan.

7.6. Suffix Programming

Scan the following codes one by one.

Enter/Exit Programming Mode

Set Global Suffix

0

D

Enter/Exit Programming Mode

and again

Enter/Exit Programming Mode

The suffix is now programmed, and the scanner exits programming mode only after a double Enter/Exit code scan.

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ZAAWANSOWANE TECHNOLOGIE WAGOWE