## COBISS<sup>®</sup>

Co-operative Online Bibliographic System & Services

# SPO – Systems support HONEYWELL PC42t User Guide SPO-NA-EN-316, V1.0

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## **1** Introduction

This document describes the use of the printer when working in the COBISS system (setting up and connecting the printer, maintaining the printer – changing the paper and the ribbon, etc.).

## 2 Setting up the Honeywell PC42t printer

## 2.1 List of equipment

Basic equipment:

- printer (black),
- CD containing software, drivers and user guide,
- USB cable (or different cable)
- AC adapter
- power cord (220V),
- ribbon core.

## 2.2 Printer description

The printer is designed to print up to 1000 labels a day. It has the following features:

- printing resolution of 203 dpi (8 dots/mm),
- print speeds from 2 to 4 ips (from 50 to 100 mm/s)
- USB host port for connecting external devices,
- ports: USB, Ethernet, serial,
- print width up to 110 mm,
- languages: Direct Protocol (DP), ZSim (ZPL-II), ESim (EPL),
- memory: 64 MB flash, 64 MB SDRAM.



Figure 1: Honeywell PC42t front panel

Legend (Figure 1):

- 1 Media window for checking labels and ribbon
- 2 Print button for moving the label roll or cancelling the operation
- 3 Latch (on both sides) for opening the printer
- 4 Power button
- $5-Status \ LED$



Figure 2: Rear panel

Legend (Figure 2):

- 1 Ethernet port
- 2 Serial port (RS232)
- 3-USB device port
- 4 USB host port for external devices (NOT intended to use for connecting with the PC)
- 5 Power port
- 6 External media feed slot (for wider label rolls)

## 2.3 Getting the printer ready

#### 2.3.1 Inserting the label roll

1. Open the printer cover and insert the holder into the label roll. Then, insert the holder into the compartment. Raise the ribbon mechanism. Feed the label roll through the side guides behind the sensor.







2. When inserting the label roll, check the positioning of the label sensor in front of the guides. For printing labels, it should be aligned with the left triangle, as pictured.



3. If you do not need to insert the ribbon, close the mechanism. Push on the mechanism from above until it clicks into place.



#### 2.3.2 Inserting the ribbon

1. Open the printer cover and insert one plastic adapter into an empty ribbon takeup core and the other one into the ribbon core. Place both between the holders, as pictured below.



2. Raise the ribbon mechanism and feed the ribbon through the opening and on the outer side onto the empty core. Attach the beginning of the ribbon to the empty core and turn the slack wheel until you get to the black part.



3. Close the ribbon mechanism. Push on it from above until it clicks into place.

### 2.3.3 Print button and Status LED

#### How to use the Print button

Action	Procedure	Description
media calibration	If the printer is on, press and hold the button for two (2) seconds to start the calibration process.	The printer prints out several labels and sets the height of the label.
move forward	Press and release the button.	If the printer is idle, pressing the button will move the ribbon one label forward.
pause	Press and release the button.	If you press the button while printing, the printing will pause.
cancel pause	Press and release the button.	If printing is paused, pressing the button will resume printing.
cancel print	Press and hold the button for three (3) seconds.	If printing is paused, the commenced printing is cancelled and the data is deleted from the printer. The printer then returns into idle mode.

#### Status LED

LED state	
turned off	The printer is turned off.
green	The printer is in idle mode and ready to print.
green – blinking since activation	The LED blinking green since the printer was turned on indicates a problem with internal memory.
green – blinking	The printer is starting up.
	The printer is paused. If you press the Print button, the printing will resume. If you hold the button for three (3) seconds, the printing will be cancelled and deleted.
green – fast blinking	The printer is receiving data.
orange	The printhead is too hot to print.
orange – blinking	The printer is upgrading its firmware from an inserted USB flash drive. Remove the USB flash drive when the Status LED turns solid green.
red – blinking	The printer is in Error mode. The printer may be out of ribbon, or if the ribbon is inserted, the printing configuration may be incorrect, or the printer may have run out of labels.
	After you have fixed the error, press the Print button to resume printing.
red and green – alternating	The printer is severely defected. It needs to be checked by an authorised repairer.



#### 2.3.4 Connecting the printer to a PC and installing the driver

The printer **driver** is included on the CD that you received with the printer.

If you do not have access to the CD, you can get the driver:

 on the manufacturer's webpage at: <u>https://aidc.honeywell.com/en-</u> <u>GB/Pages/Product.aspx?category=printers&cat=HSM&pid=pc42</u> (under *Software*, click the *InterDriver 7.4.3 M-3*)

**Connect the printer** to a PC with either the USB cable or the serial cable. The USB cable is part of the basic equipment, whereas the serial cable must be ordered separately.

#### **2.3.5** Connecting the printer to your network

The printer also has an Ethernet port. Connect it to the local network using an appropriate cable (Cat. 5e or newer, not included). To set up network printing, you must configure the printer's network interface using one of the two methods:

- 1. Use the printer's built-in web interface.
- 2. Use the **PrintSet** software, which is included on the CD that you received with the printer. Run the program and start the configuration process. For help, see the PrintSet online help.

#### Printer's web interface (Figure 3)

Enter the printer's IP address into the browser's address bar and log in with the default username *itadmin* and default password *pass*:

- The **Configure** tab displays all printer settings.
- The left-hand side of the window contains the following menus:
  - Configuration Summary (current printer settings),
  - Communications (serial port settings),
  - Printing (media, print quality and other settings),
  - System Settings (service, general settings, messages).

Honeywell			PC42t:PC42-1429	5B1F48	Logen	e Radmin English
Home	Configure	Manape	NVist	System Information	Services	Cirtict
Communications	Configur	ration Summary				Í
Printing	connigat	enen sammery				
	Conversion	cations				
<ul> <li>System Settings</li> </ul>	Ether	net				
Network Carvices	19	WI .				
and a second second		IP Assignment Method	DHCP			
		T# ALYSNES	129.235.165.75			
		Sutnet Misk	200.200.200.8			
		Default Poules	129-132-102-1			
	Deletine	Party mitherals	fromciet.			
	Madia					
	N	kedia Tyrze	Birck Hark			
	P	int Nethod	No Ribber (DT)			
	Pr	int Area				
		Modia Marpin (X)	0 dots			
		Media Width	812 dots			
		Media Length	230 dots			
	0	lip Default	Off			
	9	tart Adjust	0 dots			
	9	top Adjust	0 dots			
	N	tedia Calibration Mode	Past.			
	L	ength (Slow Moske)	0 ciola			
	~	ction				
		Power Up Action	No Action			
		Head Down Action	No Action			
	Phil	Quality	and some loss of			
		net speed	100 million			
		indexages	55			
		hetract	40%			
	Sestors S	ettimes	10.00			
	Gene	al				
		orderess Witness of	DOUGLASSIES FAIL			

Figure 3: Printer's web interface

#### PrintSet software (Figure 4)

The PrintSet software is used for printer configuration. For help, see the PrintSet online help. The software requires Windows XP or a newer version of Windows. Follow these steps:

- 1. Install the PrintSet software from the CD you received with the printer.
- 2. Connect the printer to the PC using a serial or USB connection, or connect it to the local network.
- 3. Launch the installed **Honeywell PrintSet 5** application and start configuring the printer parameters.

C Honeywell PrintSet 5		
File Edit Printer Options Hel	p	
[ 🗽 🔎 🗣 🐨		
<ul> <li>Printers</li> <li>PC42-16125B1E73</li> </ul>	Printer Model	PC42t
	Configuration Number	PC42TWE0132
Fonts	Serial Number	16125B1E73
└─ 🛱 Connection Type	Printhead Resolution	203 dpi
	Command Language	ESim
	Firmware	T10.10.011498
	Ethernet Module	00:10:40:9E:C2:5C
	WiFi Module	Absent
	Bluetooth Module	Absent
	Memory,FLASH	25 MB / 23 MB free
	Memory,RAM	59 MB / 32 MB free
Printer reports: 'Network Link Error'		

Figure 4: PrintSet software

## **3 Print settings (COBISS3)**

When the printer driver is installed, you must update the settings on the Honeywell PC42t printer before you can print labels. Go to the **Control panel** and select **Devices and Printers**. You will see a list of all available printers. Select and right-click the *Honeywell PC42t* printer. In additional settings, go to **Printing references**. On the first tab (**Page Setup**), set the label format by clicking **New** and entering the appropriate label format (e.g. USER (60.0 mm x 40.0 mm)), which you then set as the default format (Figure 5).

New     Edt     Delete       Preview     Orientation     Effects       ALE     Dandscape     Mgror Image       Potrait     Dandscape     Negative       Potrait     180°     Negative       Preset     Name:     Current Settings>     Manage       Adyanced Options     Adyanced Options	Stock <u>N</u> ame: New	v Stock (60,0 mm x 40,0 mm	n) 🔹
Preview Orientation Effects Mirror Image  ALE  Preset Name: <current settings="">  Manage  Adyanced Options  Preview  Adyanced Options</current>		Ne <u>w</u>	<u>D</u> elete
Preset Name: Current Settings>  Manage  Adyanced Options	Preview ALE	Orientation <u>Portrait</u> <u>Landscape</u> Portrait 180° Land <u>s</u> cape 180°	Effects
Name: <current settings="">      Manage  Advanced Options</current>	Preset		
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© 1997.2016 Sezanull Scientific Inc	N <u>a</u> me: <cu< td=""><td>@ 1997.2016 Search uil Sc</td><td><u>Manage</u>  Adyanced Options</td></cu<>	@ 1997.2016 Search uil Sc	<u>Manage</u> Adyanced Options

Figure 5: Label format settings (New: USER (60.0 mm x 40.0 mm))

Clicking the **Advanced options...** button will open a window, where you can set the starting position for printing and by doing so correct the printout position on the label. If necessary, offset the printout horizontally by 2.0 mm (Figure 6).

dvanced Options				×
Printing Position Position Adjustri Horizontal Offset Vertical Offset:	User Commands eent t: 0.0 mm 0.0 mm	Driver Options	Passthrough	
Orientation Adju Default <u>O</u> rientat	stment ion: 0°	•		
	ок Са	incel	loply ]	Help

Figure 6: Printout position settings ("Horizontal Offset", "Vertical Offset")

On the second tab (Graphics), select None under "Dithering" (Figure 7).

	ICS STOCK U	ptions About
Resolution:	8,0 dpmm x 8,0	0 dpmm
Dithering		
		<u>N</u> one
	÷.	○ <u>H</u> alftone
L. Lawrence B	- <b>1</b>	Ordered
	ין יייק	Algebraic
	14. 14. 1	<ul> <li>Error Diffusion</li> </ul>
		Device Dithering
Color Adj	ustment	<ul> <li>Device Dithering</li> <li><u>Dithering Setup</u></li> </ul>
Color Adj	ustment	<ul> <li>Device Dithering</li> <li>Dithering Setup</li> </ul>
Color Adj Color Color Control:	ustment	O Device Dithering     Dithering Setup
Color Adj Color Control: Color Matching:	ustment	<ul> <li>Device Dithering</li> <li>Dithering Setup</li> </ul>
Color Adj Color Color Control: Color Matching: Color Reg	Monochrome	

Figure 7: Print settings (Graphics, "Dithering")

On the third tab (Stock), select Thermal Transfer under "Print method" (Figure 8).

SPO

H. d. Company	and the set		
Print Method:	Thermal Transfer	•	
Media <u>Type</u> :	Labels With Gap	s •	
Gap Height:	3,1 mm	Gap Offset:	0,0 mm
Mark <u>H</u> eight:		Mark Offset:	
Mark <u>H</u> eight: Egtra Feed:		Mar <u>k</u> Offset:	 <u>V</u> htespace
Mark Height: Egtra Feed: Media Handling - Post-Print Action:	Tear Off	Mar <u>is</u> Offset:	
Mark <u>H</u> eight: Egtra Feed: Media Handling – Post-Print <u>A</u> ction: Ogcurrence:	Tear Off After Every Pa	Mark Offset:	Unitespace ▼
Mark Height: Egtra Feed: Media Handling Post-Print Action: Ogcurrence: Interval:	Tear Off After Every Pa	Mark Offset:	Mitespace ▼ ent: 16.0 mm

Figure 8: Media settings ("Print Method": Thermal Transfer)

On the fourth tab (**Options**), you can set a higher printhead temperature under "Darkness" if the printout on the label is too bright, and higher print speed under "Speed Settings" (Figure 9).

age Setup Gra Darkness Use <u>C</u> urrent	phics Stock Options About
<u>D</u> arkness:	
Speed Settings	Printer Setting 75.00 mm/sec
Rendering Opti	ons ng <u>G</u> raphics Directly to Image Buffer Jole <u>B</u> uffering

Figure 9: Setting print options ("Darkness", "Speed Settings")

The Seagull driver is used (Figure 10).



Figure 10: Seagull driver

## 4 Setting logical destinations in COBISS3

In COBISS3, select a printer for printing labels for the material in logical destinations. Select **System/Settings/Logical destinations** (Figure 11).

赵 COBISS3 [v3_invsrv / 01 Централно одеље	нје - system]	_		$\times$
System Class Object Workspace Queries	Shortcuts Help			
Reports module Bibliographies, subject headings	Workspace			Cla
Local code lists Queue editor Job editor				
Settings ►	Set font			
Messages ►	Lending department			
Server ►	User destinations		ſ	
Exit	Logical destinations			
<ul> <li>▶   Holdings</li> <li>▶   Loan</li> </ul>	Personal addreent Edits logical destinations Set date for loan procedures			0
►	Profile editor		ſ	
Application administration	Shortcuts			
Messages (0)				

Figure 11: COBISS3 user interface

A new Local destinations editor window will open in which you will select *Label – material:* [default local printer] and click Edit (Figure 12).

😫 Logical destinations editor 🛛 🕹
Logical destinations
Apportionment – Acquisitions: [default local printer]
Label – material: [default local printer]
Label – material, 50 x 25: [default local printer]
Label – material, 75 x 50: [default local printer]
Printer – Loan: [default local printer]
Overdue notices (envelopes) – Loan: [default local printer]
Lending form – Loan: [default local printer]
Label – Loan (member): [default local printer]
Printer - cash register drawer: [default local printer]
Edit Default (des OK Cancel

Figure 12: Local destinations editor

The User destinations window will open in which you will click Add printer. In the new window select *Honeywell PC42t* from the drop down list which you intend to use to print labels for the material (Figure 13).

関 User destinations	×
Destinations	
	Add e-mail
	Add printer
	From perso Add pr
	Edit
	Remove
	OK Cancel
😫 Printer	X
Printer: Number of copies:	Honeywell PC42t (203 dpi) - ESim
Details	OK Cancel

**Figure 13: Setting local destinations** 

Once you select the printer, click the **Details** button to check if these detailed settings are correct for this type of printer (Figure 14):

関 Details	×
Printing mode:	graphics
Printer type:	· · · · · · · · · · · · · · · · · · ·
Printer subtype:	V
Printing style:	single sided
Orientation:	portrait
	OK Cancel

**Figure 14: Detailed settings** 

When all settings are set, click the **OK** button to confirm each choice. At the end, in the **System** menu, select **Refresh settings** (Figure 15). If this option is not available, refresh the newly configured settings by first logging out and then logging in to the COBISS3 software.

💆 COBISS3 [v3_invsrv / 01 Централно одеље	-je - system]	_	$\times$
System Class Object Workspace Queries	Shortcuts Help		
Reports module Bibliographies, subject headings	Workspace		Cla
Local code lists			
Queue editor			
Job editor			
Settings ►			
Messages			
Server >	Change passwords		
Exit	Refresh settings		
► 📄 Holdings	Show server errors		
▶ 葿 Loan	Activities log		
►	COBISS3 log		
Application administration	Network test		
	Show logged in users		
	Shortcuts		
Messages (0)			

Figure 15: Refreshing settings in the COBISS3 user interface

Now, you can start printing labels for the material.