

Use of Zebra ZD621t printer



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1 Introduction

The document contains the instructions for the use of the ZD621 printer in the COBISS system. There are several versions of the ZD621 printer, so you have to pay special attention as there is only one designation on the case. There are three versions: ZD621D, ZD621T and ZD621R. All three versions, namely version R (RFID), T (Thermal Transfer) and D (Direct Transfer) are different. This is why we suggest to order the model **ZD621T** (**Thermal Transfer**).



Figure 1: ZD621 printer

2 Setup

We recommend that a technically skilled person performs the initial installation of the printer.

When setting up and installing the printer, follow the instructions available on the Zebra manufacturer's official website (<u>https://www.zebra.com/us/en/support-downloads/printers/desktop/zd621.html</u>).

In order to facilitate the use of the printer, the following video instructions are available:

- description of the printer functionalities,
- setting up and installing the printer,
- loading the black ribbon,
- installing the label dispenser module,
- calibrating for suitable label format, and
- cleaning the printhead.

The required ZDesigner drivers and manuals with detailed instructions for using the printer are also available on the website.

3 Driver installation

Once the driver is installed, the settings have to be adjusted before you start printing labels. This can be done in the **Control Panel**, where you select **Devices and Printers**. All the available printers will be shown on-screen. Select the *ZDesigner ZD621-203dpi ZPL* printer and right-click it. Select **Printer properties** from the options (Figure 2).



Figure 2: Control panel, devices and printers

Once you click **Printer properties**, a new window will be displayed, where you select the **Advanced** tab (Figure 3).

Designer ZD621-203dpi ZPL Properties X					
General Sharing Ports Advanced	Color Management Security Nastavitve gonilnika				
ZDesigner ZD621-2	203dpi ZPL				
Location:					
Comment:					
Model: ZDesigner ZD621-2	203dpi ZPL				
Features Color: No	Paper available:				
Double-sided: No Staple: No	Custom				
Speed: Unknown Maximum resolution: 203 dpi	~				
Pret	ferences Print Test Page				
	OK Cancel Apply H	elp			

Figure 3: Printer properties

In the Auvanceu tab, select the option I finding Delauits	In the A	Advanced	tab,	select the	option	Printing	Defaults
---	----------	----------	------	------------	--------	-----------------	----------

ZDesigner ZD621-203dpi ZPL Properties					
General Sharing Ports Advanced Color Management Security Nastavitve gonilnika					
 Always available Available from 00:00 To 00:00 To 00:00 To Driver: ZDesigner ZD621-203dpi ZPL New Driver 					
 Spool print documents so program finishes printing faster Start printing after last page is spooled Start printing immediately Print directly to the printer 					
 Hold mismatched documents Print spooled documents first Keep printed documents Enable advanced printing features Printing Defaults Print Processor Separator Page 					
	OK Cancel Apply Help				

Figure 4: Printing Defaults

In the fields indicated in yellow, enter the width and height of the medium and/or label you use.

ZDesigner ZD621-203dpi ZPL Printing Defaults X						
Printer Settings						
, P	Page Setup	Stock				
🗇 P	Print Options	Select: Cu	ustom ~			
- 	Operation Mode	Media settings Width: 60				
a c	Graphic Options	Height: 40)mm 🛊 🔳 123			
>	Custom Commands	Media type: La Rotation: 0°	abels with gaps Portrait 123			
× N	Maintenance	Mark offset: 0 n	mm 🛊 🗉			
L. U	Jnits	Mirror label 🛛 🧧				
i +	Print test page					
			OK Cancel Apply Help			

Figure 5: Page setup

Once you finish the **Page Setup**, select **Print Options** and adjust the speed, temperature and printing mode (Figure 6).

🖶 ZDesigner ZD621-203dpi ZPL Printing Defaults 🛛 🕹							
Printer Settings							
Page Setup	Print settings				Print preview	^	
 Print Options Operation Mode 	Speed: Darkness: Printing mode:	76 mm/s 25 Thermal transfer	~ [] ~ [] ~ []	_			
 Graphic Options Custom Commands 	Offsets Top:	<mark>2 mm</mark>		1	123	1	
X Maintenance	Left Advanced settings —	0 mm 🗣 🗐			123		
 Units Help and About 	Backfeed: Pause:	Default No pause	~ [] ~		123		
	Control characters: RTC refresh:	Standard Start print time	~				
🦻 Print test page	Cancel jobs before pr	rinting It and queued printing docume	ents				
Download your free copy of ZebraDesigner Essentials	Delay: Passthrough	1000 🔹 ms				~	
				ОК	Cancel Apply	Help	

Figure 6: Print options

Finally, check the **Graphic options**, where the slider under **Dithering** should be set to *Clipart* (Figure 7).

🖶 ZDesigner ZD621-203dpi ZPL	Printing Defaults	×
Printer Settings		
D Page Setup	Dithering	
🗇 Print Options	Photo	Dipart
👦 Operation Mode	_	
Graphic Options		
Custom Commands		
X Maintenance		
Lunits		
Help and About	Tell me more about dithering	
	Printer graphic options	
	Image transfer mode: Direct print \checkmark	
😨 Print test page	Graphics type: ZIP ~	
秋 ZEBRA		
ZebraDesigner Essentials		
	OK Cancel Apply	Help

Figure 7: Graphic options

It is recommended to use the same settings for the **Printing preferences** option.



Figure 8: Control panel and printing preferences

4 Setup in the COBISS Lib application

To use the printers in COBISS Lib, the COBISS DGW service must be installed beforehand. https://www.cobiss.net/doc/Namescanje_COBISS_DGW_EN.pdf

To check if the installation was successful, you can use the **Settings and administration / Server** / **Test connection with COBISS DGW** method in COBISS Lib. The message *COBISS DGW is connected!* means that the installation was successful and that you can continue adding printers to the logical destinations (Figure 9).



Figure 9: COBISS Lib user interface

In COBISS Lib select Settings and administration / Settings / Logical destinations (Figure 10).



Figure 10: COBISS Lib user interface and logical destinations

The **Logical destinations editor** window will open where you select the option *Label – material:* [*default local printer*] and click **Edit** (Figure 11).

Logical destinations editor	×				
Logical destinations	^				
Labels – Partner: [default local printer]					
Delivery note – ILL: [default local printer]	11				
Internal order – ILL: [default local printer]					
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]					
Delivery note (for Accounting) – ILL: [default local printer]					
Printer – Loan: [default local printer]					
	Ŧ				
Edit Default (description) OK Ca	ncel				

Figure 11: Logical destination editor

The **User destinations** windows will open, where you click the **Add printer** button. From the drop-down list, select the printer *ZDesigner ZD621-203dpi ZPL*, with which you intend to print the labels for the material (Figure 12).

User destinations		×
Destinations		
	Add e-ma	il
	Add printe	er
	From personal add	lress book
	Edit	
	Remove	
	OK	Cancel
Printer		×
Printer		
ZDesigner ZD621-203dpi ZP	чl	~
Number of copies		
1		
Details	ОК	Cancel

Figure 12: Logical destinations setup

Once you select the printer, click the **Details** button and check whether the additional settings for this printer type are correct (Figure 13).

Details	×
Printing mode	
graphics	~
Printer type	
Printer subtype	
Printing style	
single sided	~
Orientation	
portrait	~
	OK Cancel

Figure 13: Details

Once you define all the settings, confirm each choice by clicking the **OK** button. At the end, select **Refresh settings** in the **Settings** (Figure 14). If this option is not available, you can refresh the new settings by signing out and back into the COBISS Lib software.

COBISS Lib - IZUM_PP	x +	- 🗆 X		
← → C 😁 cs.cobiss.n	et/clib/izum_pp/	@ 단 ☆ 팩 소 🛛 😩 :		
= 🕻 COBISSLib	IZUM_PP	⑦ ☆ ♀ ↓ ? ▲ sys_miranl ♀		
Active search windows	1 HL Home library	7 Ex Examination of personal data processing (ZVOP)		
€ AcquisitionsGerials	2 P Partner +	 Show personal data processing – all users Show personal data processing – selected user (summary data) 		
Electronic resources	3 C Contact	 Show personal data processing – selected user Show personal data processing – selected member Print Report on the examination of personal data processing 		
Loan	4 U User	8 Me Messages		
Interlibrary Ioan	COLIB	Send a message to all users Read last message		
Reports	6 See Settings	Prepare COBISS+ notification Send suggestions and remarks		
	 Local code lists Queue editor Job editor User destinations Logical destinations Personal address book Set date for Joan procedures Set up shortcuts for procedures RFID device/protection status Profiles – view, edit 	9 Server • Change passwords • Refresh settings • Show server errors • Show activities log • System properties • Server information • Show logged in system users • Set the login level • Test connection with COBISS DGW		

Figure 14: Refresh settings in the COBISS Lib user interface

Now you can start printing labels for the material.

If you wish to use the same printer to print labels for members, the process remains identical to the one described in the previous steps. The only difference is setting the logical destination to Label - Loan (member) (Figure 15).

Logical destinations editor		x
Logical destinations		
Label – material, 75 x 50: [default local printer]		
Delivery note (for Accounting) – ILL: [default local printer]		
Printer – Loan: [default local printer]		
Overdue notices (envelopes) – Loan: [default local printer]		
Lending form – Loan: [default local printer]		
Label – Loan (member): (Printer: ZDesigner ZD621-203dpi ZPL) [default	local printer]	
Printer - cash register drawer: [default local printer]		
Plastic membership card – Loan (member): [default local printer]		
Invoice – Loan: [default local printer]		
Lending form for reservation – Loan: [default local printer]		-
Edit Default (description)	OK Canc	el

Figure 15: Logical destinations editor for member labels

5 Troubleshooting

If, after installing the drivers and setting the logical destinations, printing labels does not work correctly, firstly check whether the printer responds to the operation system on which it is installed. In **Control Panel** select **Devices and Printers**. All available printers will be displayed on-screen. Select printer *ZD621-203dpi ZPL* and right-click it. From the options, select **Printing preferences**. A new window will open, where you select **Print test page** in the bottom left corner (Figure 16).

🖶 ZDesigner ZD621-203dpi ZPL	Printing Preferences			\times
Printer Settings				
D Page Setup	Stock		Drint provinu	
👦 Print Options	Select	Custom ~	Print preview	
👦 Operation Mode	Media settings Width:	60 mm		
Graphic Options	Height	40 mm	123	
Custom Commands	Media type: Rotation:	Labels with gaps \checkmark [] 0° - Portrait \checkmark	123	
💥 Maintenance	Mark offset:	0 mm 📮 🗐		
Lunits	Mirror label		123	
Help and About				
Download your free copy of ZebraDesigner Essentials				
		[OK Cancel Apply Help	

Figure 16: Printing a test page

If the printer is installed correctly, a sample label will be printed.

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If, when printing, there is a shift in the contents of the label, we advise to carry out medium calibration via printer drivers. In this procedure, the printer automatically adjusts the medium and the sensor to the label's dimensions. You can start the process by clicking the button *Calibrate* in the **Maintenance** tab (Figure 17).

🖶 ZDesigner ZD621-203dpi ZPL Printing Preferences				
Printer Settings				
Page Setup	Reset			
👦 Print Options	Reset to default settings Reset all driver settings to their default values. Reset			
👦 Operation Mode	Calibrate			
Graphic Options	Calibrate media Automatically adjust media and ribbon sensor to label dimensions. Calibrate			
Custom Commands	Synchronise Real Time Clock (RTC)			
💥 Maintenance	Set printer clock to computer clock. Sync			
Units				
Help and About				
Print test page Vite ZEBRA Download your free copy of ZebraDesigner Essentials				
	OK Cancel Apply He	lp		

Figure 17: Calibrating the medium

The printer uses three blank labels during the calibration process. After the calibration process is complete, try printing the label again.