

# **TBarCode/Embedded**

Barcode Filter for SEH ISD400 / ISD410

Version 9.1

# Quick Start Guide

2 February 2011

TEC-IT Datenverarbeitung GmbH Hans Wagnerstrasse 6 A-4400 Steyr, Austria

> t ++43 (0)7252 72720 f ++43 (0)7252 72720 77 office@tec-it.com www.tec-it.com

## 1 Content

<b>1</b> 1.1	Content Table of Figures	<b>2</b>
2	Disclaimer	3
<b>3</b> 3.1 3.2 3.3 3.4	Introduction About About this Document Requirements Demo Version / Licensing	<b>4</b> 4 4 4 4 4
<b>4</b> 4.1 4.2 4.3	Install TBarCode/Embedded Set up the ISD400 Install TBarCode/Embedded on the ISD400 / ISD410 Assign TBarCode/Embedded to a Printer Queue	<b>5</b> 5 5 6
<b>5</b> 5.1	Test Print-Out Print the included Sample Files	7 7
6	Contact and Support Information	8

### 1.1 Table of Figures

Figure 1: Install TBarCode/Embedded – Step 1	5
Figure 2: Install TBarCode/Embedded – Step 2	6
Figure 3: Assign TBarCode/Embedded to Print Queue – Step 1	6
Figure 4: Assign TBarCode/Embedded to Printer Queue – Step 2	6
Figure 5: Printed Test Document with Barcodes	7



#### **Disclaimer** 2

The actual version of this product (document) is available as is. TEC-IT declines all warranties which go beyond applicable rights. The licensee (or reader) bears all risks that might take place during the use of the system (the documentation). TEC-IT and its contractual partners cannot be penalized for direct and indirect damages or losses (this includes non-restrictive, damages through loss of revenues, constriction in the exercise of business, loss of business information or any kind of commercial loss), which is caused by use or inability to use the product (documentation), although the possibility of such damage was pointed out by TEC-IT.



We reserve all rights to this document and the information contained therein. Reproduction, use or disclosure to third parties without express authority is strictly forbidden.



Für dieses Dokument und den darin dargestellten Gegenstand behalten wir uns alle Rechte vor. Vervielfältigung, Bekanntgabe an Dritte oder Verwendung außerhalb des vereinbarten Zweckes sind nicht gestattet.

© 1998-2011 TEC-IT Datenverarbeitung GmbH Hans Wagnerstr. 6

A-4400 Austria t.: +43 (0)7252 72720 f.: +43 (0)7252 72720 77 http://www.tec-it.com





### 3 Introduction

#### 3.1 About

With the Intelligent Spooling Device SEH ISD400 / ISD410 and the add-on software package **TBarCode/Embedded** you can turn selected PostScript<sup>®</sup> and PCL<sup>®</sup> printers into barcode-enabled printers. You can print linear barcodes as well as high-density 2D barcodes from within any application (e.g. SAP<sup>®</sup> R/3<sup>®</sup>).

**TBarCode/Embedded** will filter all print jobs in the selected queues for specific control sequences. These sequences are then replaced by the corresponding barcodes.

#### 3.2 About this Document

This Manual provides basic information on setting up **TBarCode/Embedded** on the SEH ISD400 / ISD410 and how to create a first test print-out with barcodes. For specific information on control sequences, available barcodes types, and more, please refer to the included user manual (see below).

#### 3.3 Requirements

For the installation of **TBarCode/Embedded** the file *"TBarCodeEmbedded-XXX-ISD400.zip"* is required (XXX stands for the version number of **TBarCode/Embedded**). You can download this file from <u>http://www.tec-it.com</u> or you can request it from <u>support@tec-it.com</u>.

The zip file contains

- the filter software (tbarcode-XXX-filter.bin),
- sample print jobs for PostScript and PCL printers (seh\_test.ps, seh\_test.pcl) and
- a user manual (TBarCode\_SEH\_ISD400\_Man.pdf).

#### 3.4 Demo Version / Licensing

The download provides a demo version of **TBarCode/Embedded**. This demo is fully functional. However, as long as you have not licensed the product an additional horizontal bar will be printed over the barcodes. Usually this horizontal bar does not affect the readability of the barcode for evaluation purposes.

For purchasing a license, please contact office@tec-it.com.





#### Install TBarCode/Embedded 4

#### 4.1 Set up the ISD400

Before you proceed with the following steps, please create at least one printer queue on the ISD400 / ISD410 and test it.

#### 4.2 Install TBarCode/Embedded on the ISD400 / ISD410

In order to install TBarCode/Embedded open the ISD400 / ISD410 administration homepage and login as administrator.

Proceed as follows:

- 1. Select MAINTENANCE **0**.
- 2. Select Software 2.
- 3. Mark the option "Install software" 8.
- 4. Click Next 4.
- 5. Click Browse... **9**.
- 6. Select the file "tbarcode-XXX-filter.bin".
- 7. Click Next 6.
- 8. Click Next again.
- 9. Click OK to confirm.



Figure 1: Install TBarCode/Embedded - Step 1



					Manuals & Tools   Proc	luct & Company   Login 🌉
ISD Co	ontrol	Cente	r			SEH
			-			
START	QUICK SETUP	QUEUES & JOBS	MS WINDOWS	CONFIGURATION	MAINTENANCE	DHCP & DNS
172.16.100.30	ISD400 → Main	tenance 🔿 Software				3
Status	Software					
Certificates						
Software						
Backup		Current firmware ve	rsion 2.6.25.4			
Restart		Current software ve	File C:\Temp\tbarcode	-9.1.1-filter.bin 5	Durchsuchen_	
			N	lext 6		

Figure 2: Install TBarCode/Embedded – Step 2

### 4.3 Assign TBarCode/Embedded to a Printer Queue

Before you can use the filter it must be assigned to one or more printer queues. Proceed as follows:

- 1. Select QUEUES & JOBS ①.
- 2. Select Settings **2** for the relevant queue.
- 3. Select *Filter* €.
- 4. Mark the filer "tbarcode" in the "Available" list **4**.
- 5. Click Add **⑤**.
- 6. Click OK of to confirm.

						Manuals & Tools   F	roduct & Company   Login 📑
ISD Co	ontrol C	ente	r				SEH
START	QUICK SETUP	UEUES & JOBS	MS WINDOWS	CONFIG	URATION	MAINTENANCE	DHCP & DNS
172.16.100.30 Queues	ISD400 ⇒ Queues & Queues	Jobs → Queues					2
Create Queue Current Jobs Job History	HP4050	Description Location IP address	HP4050 Developer Office 172.16.100.17	State Jobs	idle, accepting j 0	obs 🚽 Jo Si	bs odify ettings
Repository Print Sockets ThinPrint®	P2055PCL	Description Location IP address	P2055 PCL Susan Office 172.16.100.14	State Jobs	idle, accepting j 0	obs Jo Mi Se	bs odify tttings

Figure 3: Assign TBarCode/Embedded to Print Queue - Step 1

ISD Co	ontrol Center	SEH
START	QUICK SETUP QUEUES & JOBS MS WINDOWS CONFIGURATION MAINTENANCE	DHCP & DNS
	ISD400 ⇒ Queues & Jobs ⇒ HP4050 → Filter	3
172.16.100.30	Filter	
Modify		
Settings		
History	Assigned Available	
Job Storing		
Protection	Remove	
Filter 3	СК (6) СК	

Figure 4: Assign TBarCode/Embedded to Printer Queue – Step 2





#### **Test Print-Out** 5

#### 5.1 Print the included Sample Files

Now you can send one of the included sample job files to the ISD400 / ISD410. Open a command shell and type the following command:

Under Windows<sup>1</sup>:

lpr -S <hostname> -P <printerqueue> <testfile>

Under Linux / UNIX:

lpr -H hostname -P printerqueue seh test.ps

<hostname></hostname>	This is either the host name or the IP address of the ISD400 / ISD410.
<printerqueue></printerqueue>	This is the name of the queue on the ISD400 / ISD410. Please note: This queue must have the "tbarcode" filter assigned!
<testfile></testfile>	This is the test file provided by TEC-IT: <ul> <li>seh_test.ps (for PostScript printers)</li> <li>seh_test.pcl (for PCL printers)</li> </ul>

During printing TBarCode/Embedded will replace all the control sequences in the test file by the corresponding barcodes. The output should look like this:

for TBarCode Embedded using the def	(SEH ISD300, ISD400, ISD410) ault parameter format
http://	www.tec-it.com
Codel1	MS I 012345674
Code 2 of 5 Standard	Code 2 of 5 Interleaved
Code 2 of 5 IATA	Code 2 of 5 Matrix
Code 2 of 5 Data Logic	Code 2 of 5 Industrial
Code 39	Code 39 Extended
EAN 8 9031 1017	EAN 8 with 2 Digit Add-On 9031 1017 12
EAN 8 with 5 Digit Add-On 12345 9031 1017	EAN 13
EAN 13 with 2 Digit Add-On 9 780201 379686	EAN 13 with 5 Digit Add-On 12345 9 780201 379686
EAN 14	ISBN Code (13P5) 12345 9 780201 379686
EAN 128	

Please note:

As long as you have not licensed the product an additional horizontal bar will be printed over the barcodes. Usually this horizontal bar does not affect the readability of the barcode for evaluation purposes.

For more information on how to use barcodes in your own documents, please refer to the TBarCode/Embedded User Manual. It describes the syntax of the required control sequences and the barcode parameters.

If you have any further questions, additional requirements or if you want to purchase a license, please contact us. For contact and support information, please see below.

Figure 5: Printed Test Document with Barcodes

<sup>1</sup> In order to use Ipr.exe under Window Vista or Window 7 you have to add the "LPR Port Monitor" (Control Panel ► Programs and Features ► Turn windows features on or off ► Print and Document Services)!





#### **Contact and Support Information** 6

#### **TEC-IT Datenverarbeitung GmbH**

Address:	Hans Wagnerstr. 6		
	AT-4400 Steyr		
	Austria/Europe		
Phone:	+43 / (0)7252 / 72 72 0		
Fax:	+43 / (0)7252 / 72 72 0 – 77		
Email:	office@tec-it.com		
Web:	http://www.tec-it.com		

AIX® is a registered trademark of IBM Corporation.

HTML, DHTML, XML, XHTML are trademarks or registered trademarks of W3C, World Wide Web Consortium, Laboratory for Computer Science NE43-358, Massachusetts Institute of Technology, 545 Technology Square, Cambridge, MA 02139.

JAVA® is a registered trademark of Sun Microsystems, Inc., 901 San Antonio Road, Palo Alto, CA 94303 USA. JAVASCRIPT® is a registered trademark of Sun Microsystems, Inc., used under license for technology invented and implemented by

Netscape.

Linux® is a registered trademark of Linus Torvalds in several countries.

Microsoft®, Windows®, Microsoft Word®, Microsoft Excel® are registered trademarks of Microsoft Corporation.

Navision is a registered trademark of Microsoft Business Solutions ApS in the United States and/or other countries.

Oracle® is a registered trademark of Oracle Corporation.

PCL® is a registered trademark of the Hewlett-Packard Company.

PostScript® is a registered trademark of Adobe Systems Inc. SAP, SAP Logo, R/2, R/3, ABAP, SAPscript are trademarks or registered trademarks of SAP AG in Germany (and in several other countries). UNIX® is a registered trademark of The Open Group

All other products mentioned are trademarks or registered trademarks of their respective companies. If any trademark on our web site or in this document is not marked as trademark (or registered trademark), we ask you to send us a short message (office@tec-it.com).

