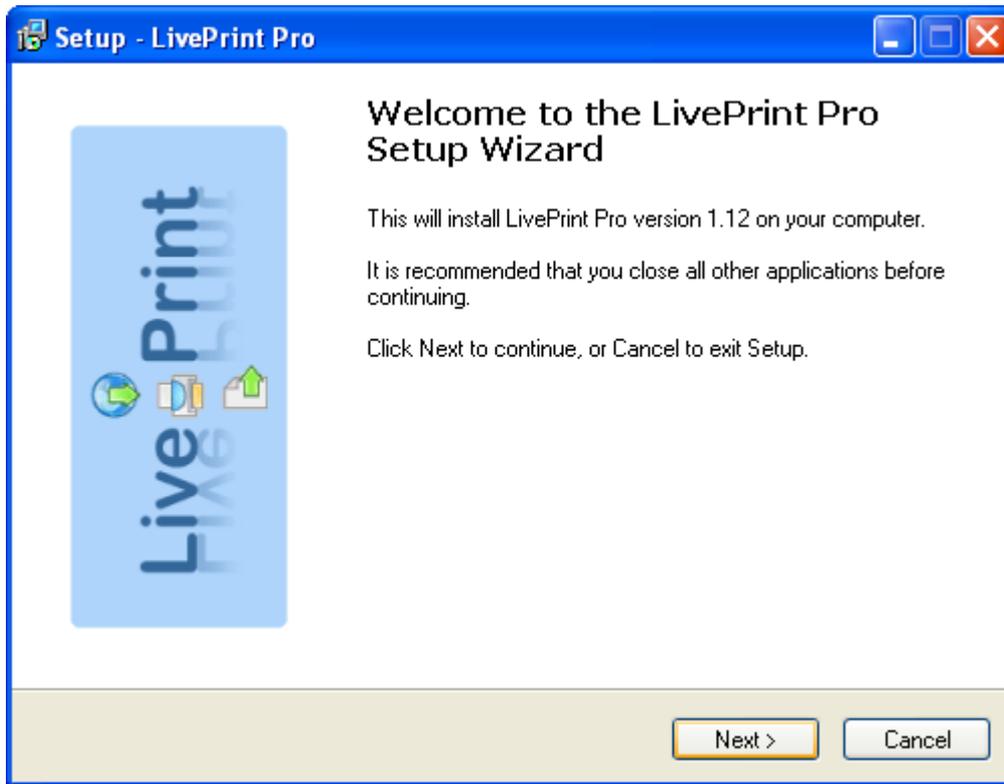


Version 1.14
(2008-04-21)

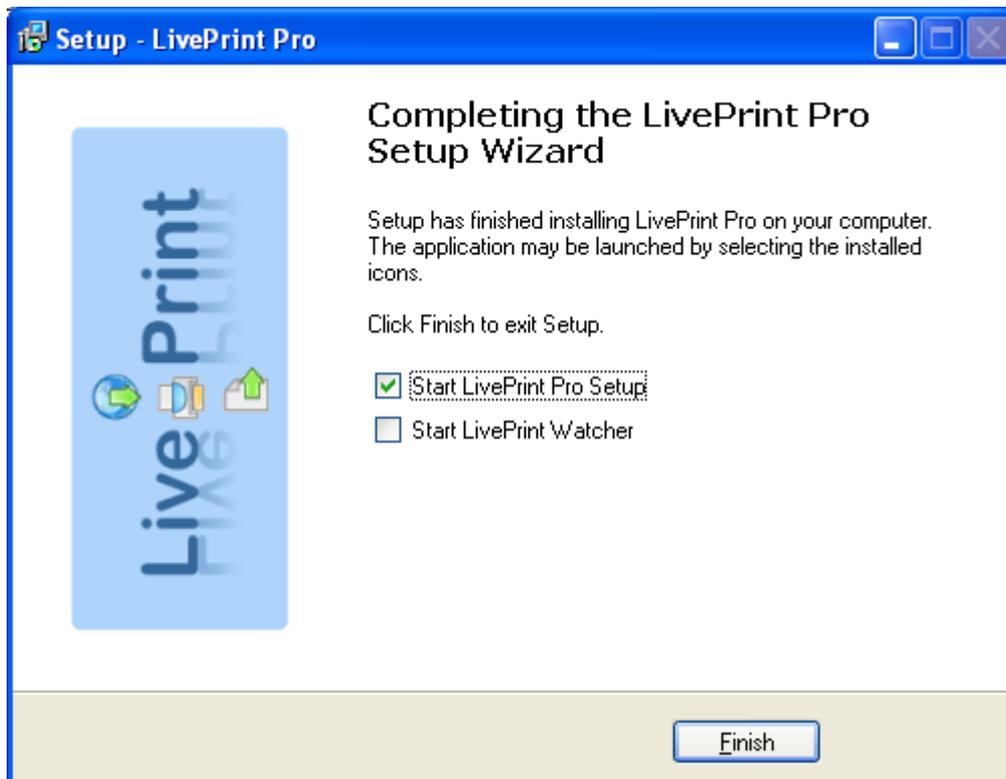
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Installation

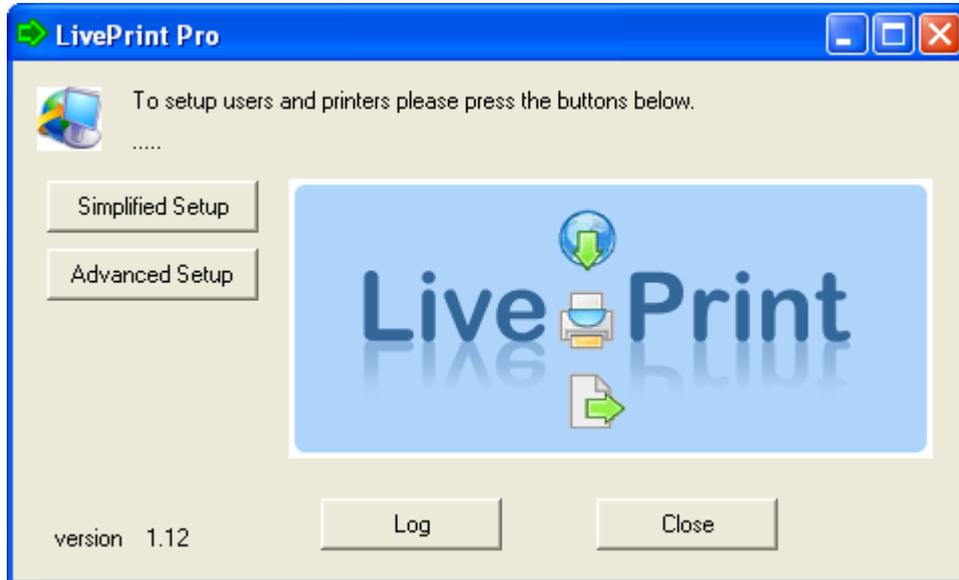


The installation application follows a normal procedure. If LivePrint is to be used to integrate with business systems the “Run LivePrint Watcher” should be checked in order to make various setups.

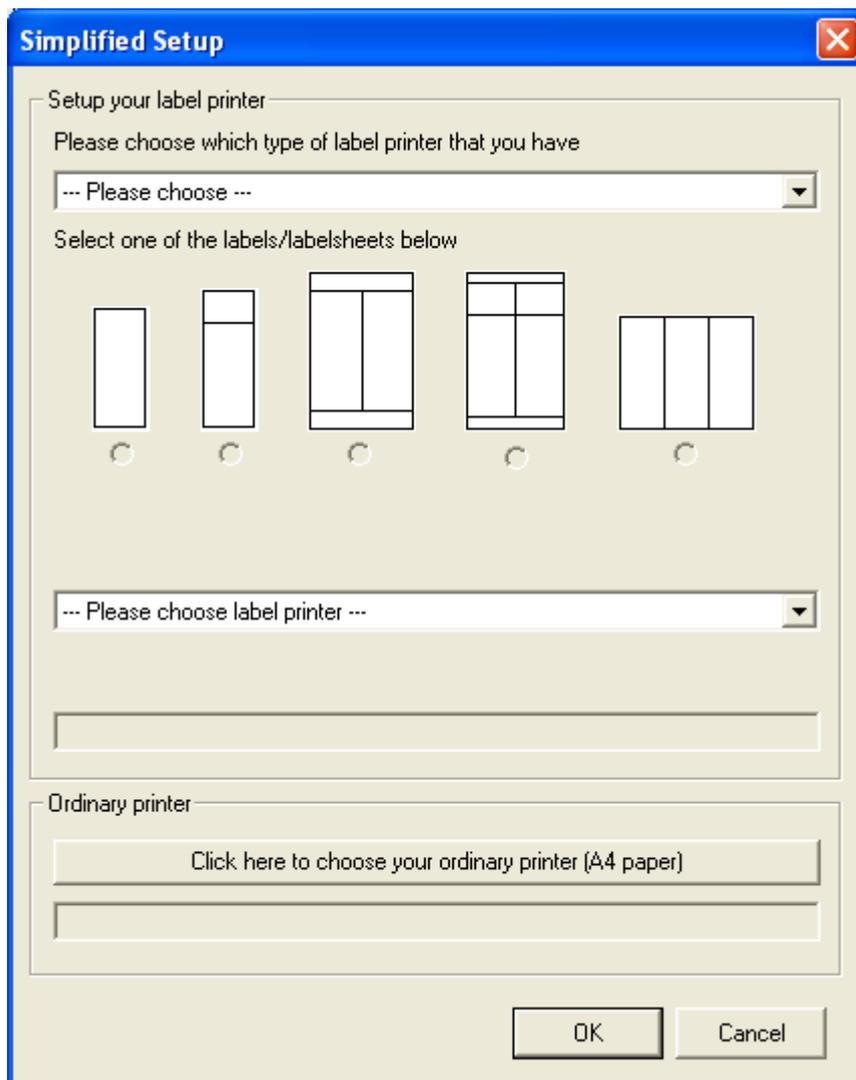


Setup - LivePrint

Startscreen



Simplified setup

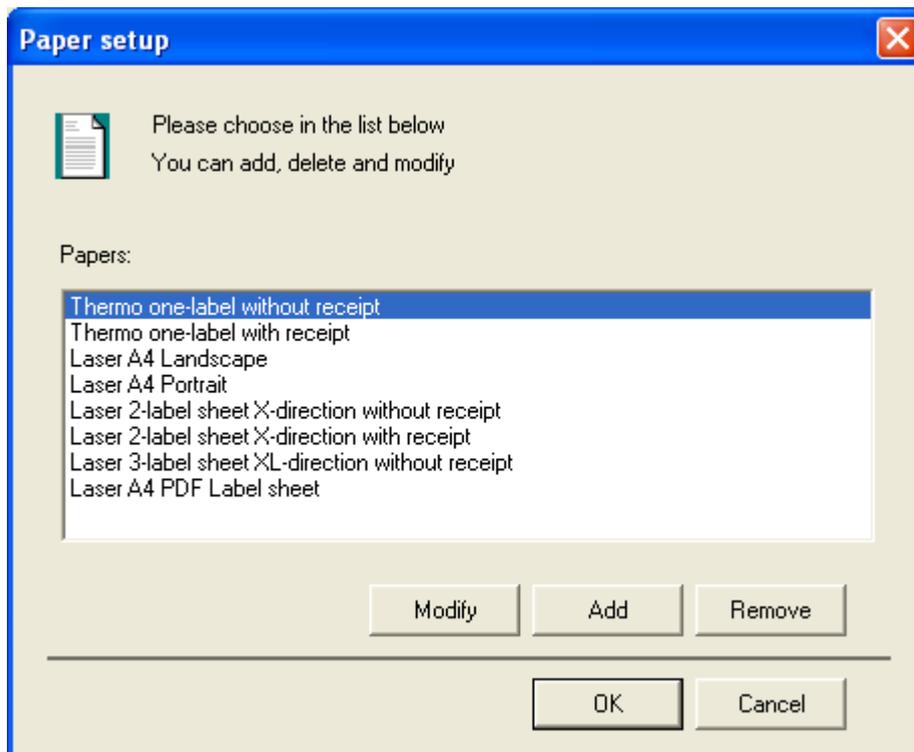


During this phase a label printer and/or laser printer for the A4/Letter paper size can be selected.

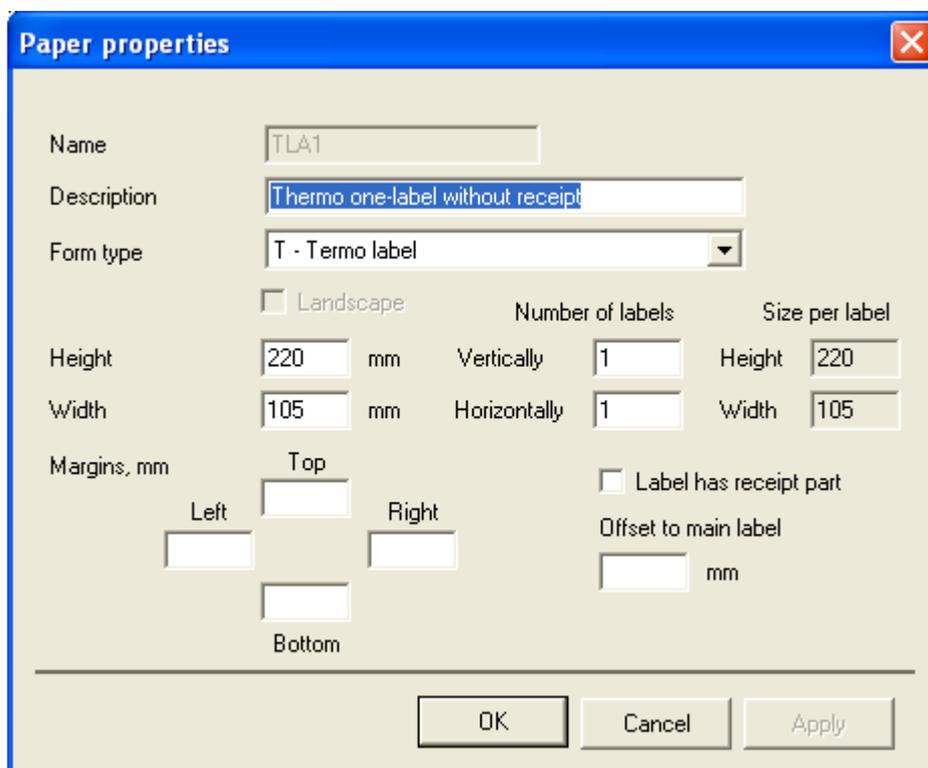
- Choose an installed printer
- Choose between Zebra/ZPL, Zebra/EPL (Eltron), label printer with Windows drivers or Windows printer for laser sheets.

Termolabels can be printed with or without a receipt part (the two most left labels in above picture). Laser printers have three different types of layouts to choose between (Option 3,4,5 above).

Paper setup



In this frame you can customize sheet/label sizes. There are also a number of preset sizes available.



Name

Specifies the identity of the sheet/label.

Description

Short descriptive text.

Form type

Following options:

T - Termo label, used for termo labels

L – Laser label, used for laserlabel sheets

F – Laser form, used for waybills

Height

Specifies the height of the sheet/label in millimetre. A4 is 297 mm. Letter is 279 mm.

Width

Specifies the width of the sheet/label in millimetre. A4 is 210 mm. Letter is 216 mm.

Number of labels

Specifies the number of labels that is to be placed vertically and horizontally.

Size per label

LivePrint will setup this automatically.

Margins

Margins are set for the entire sheet.

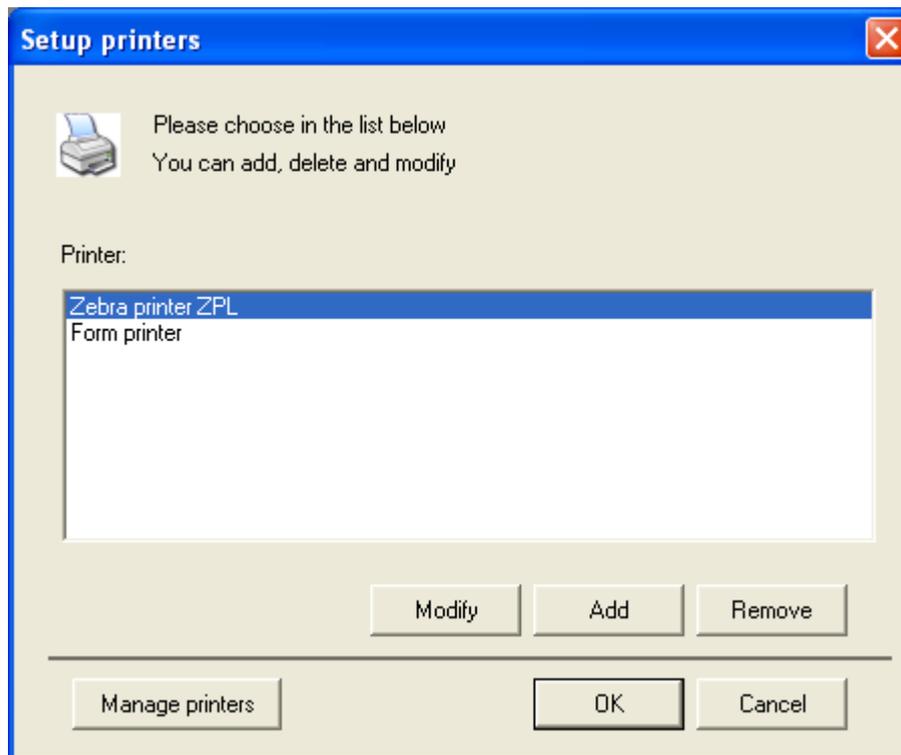
Label has receipt part

If checked a receipt part is included ontop of the label.

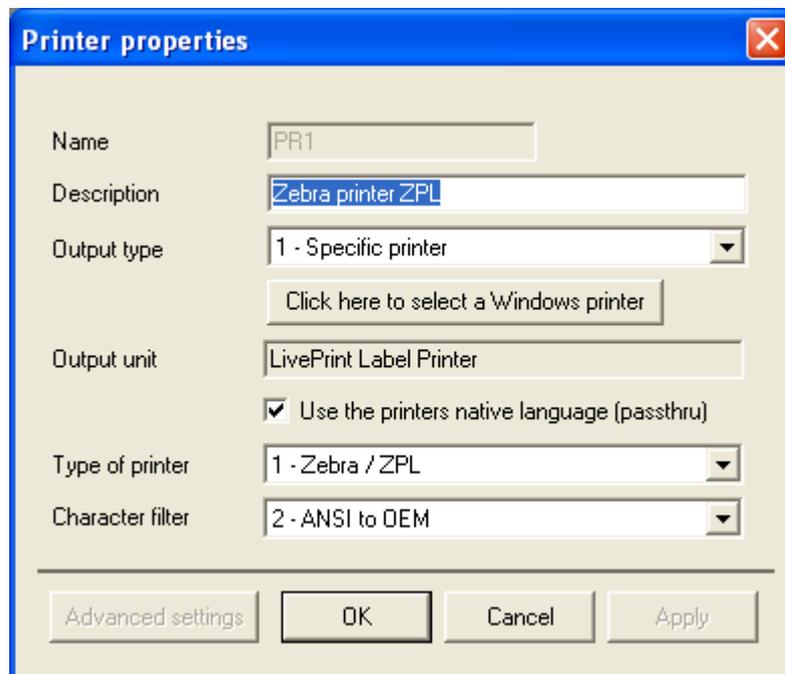
Offset to main label

Setup the distance between the receipt and the main label. Some labels requires this as they lack information about the receipt.

Printer setup



All printers are to be added here.



Name

The identity of the printer

Description

Short description

Output type

Available options

0 – Default printer

1 – Specific printer, click the button below to choose printer.

2 – Select before printing

If the application is installed on a server with access to all printers in the network the user has to select “1 – Specific printer” to direct the printout to the correct printer.

Output unit

Information about the selected printer

Use the printers native language (passthru)

If the Generic/Text only printer has been selected you can do printouts using the printers native language. Zebra uses the ZPL language and Eltron use EPL. This option bypasses Windows print drivers.

Type of printer

Assigns a printer to the Generic/Text only option.

Available options:

0 – Text

1 – Zebra/ZPL

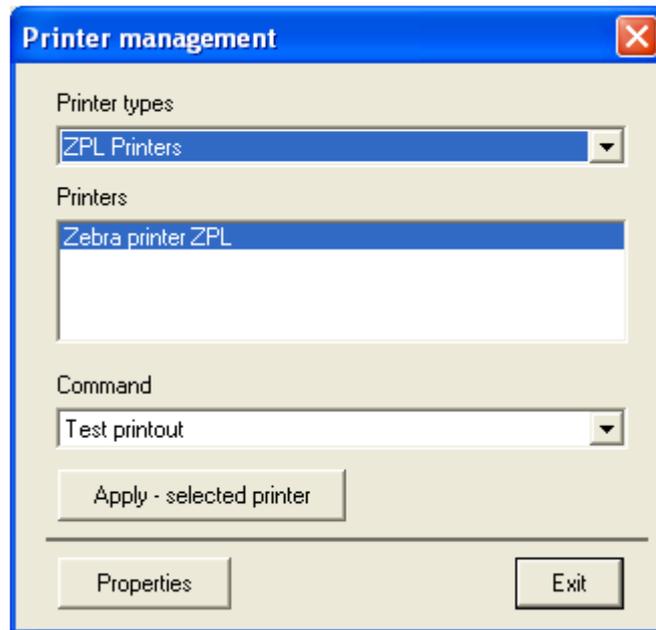
2 – Eltron/EPL

Character Filter

Filter 2 should be selected – ANSI to OEM.

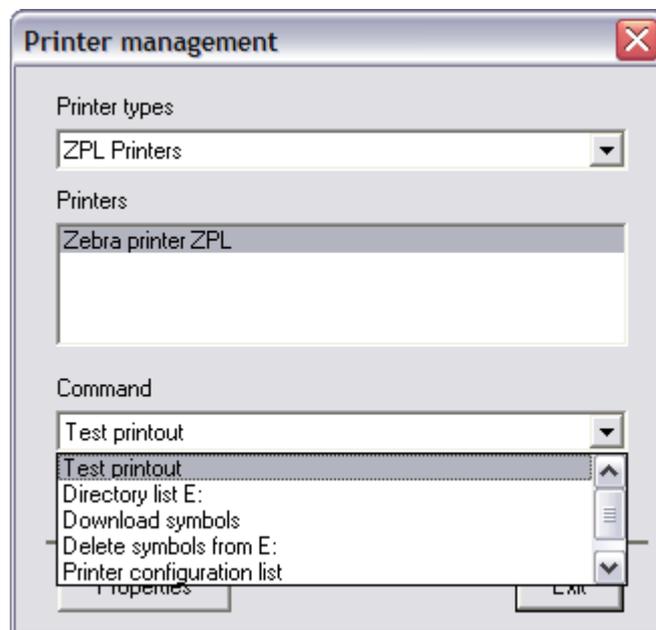
There is also the option to pick number 7 – ANSI to OEM special. This option converts the characters in LivePrint instead of using the Windows function. Earlier Windows versions have been unsatisfactory.

Handle Printer



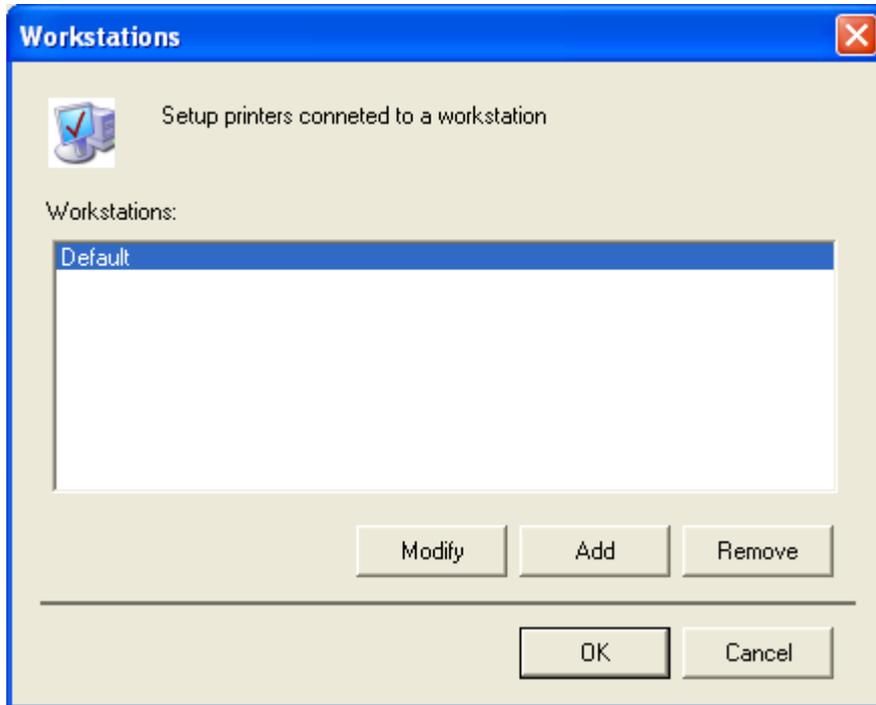
This option allows various preferences to be done depending on printer type. The application retrieves information from the server. These can be altered afterwards.

The Zebra printer uses the following:

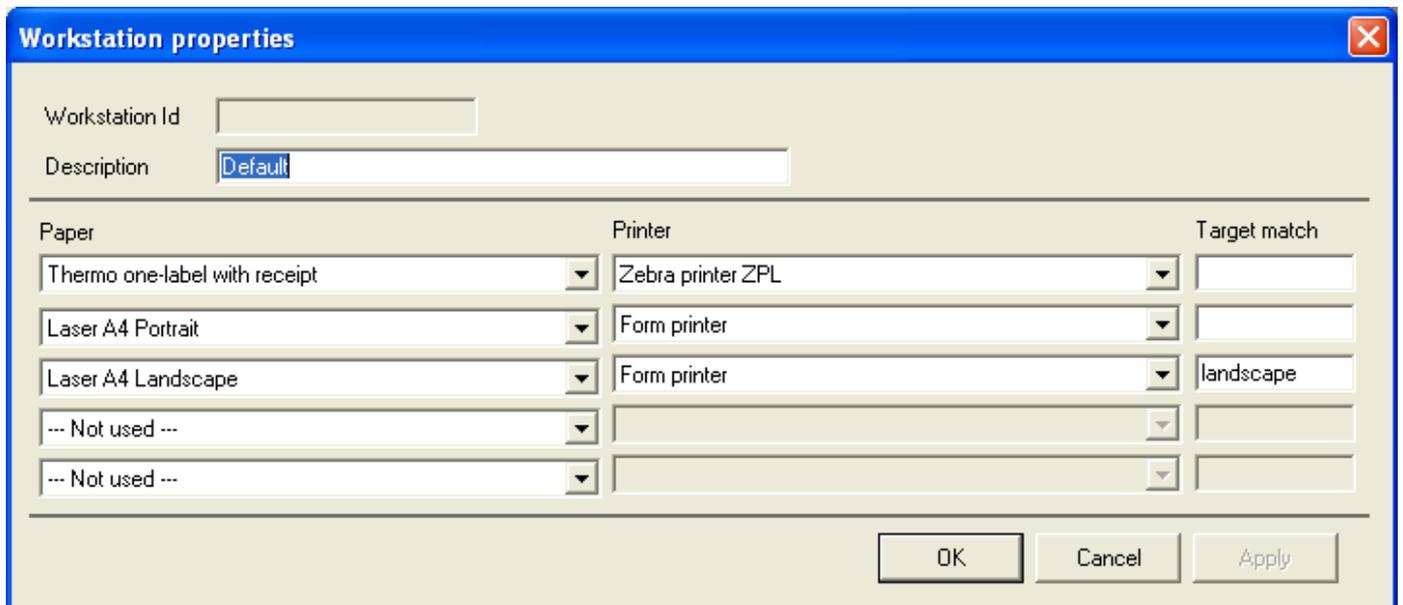


This allows you to perform test prints, print out a list showing what's downloaded on the printer, download symbols, remove symbols and print out the printer's configuration. Printers using EPL language have the same options. ZPL-based printers can also initiate the flash memory i.e. format it.

Workstation setup



Layout for printer and the accompanied workstation.



Workstation ID

Specifies the workstations identity

Description

Short description of the workstation

Paper

Specifies what kind of paper is to be used.

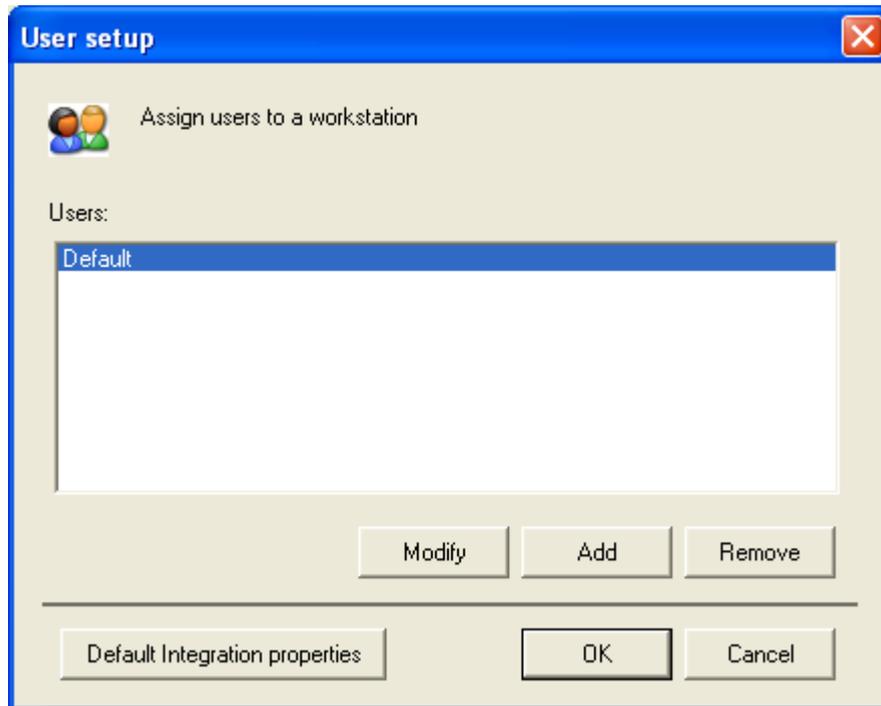
Printer

Specifies the printer connected to the workstation

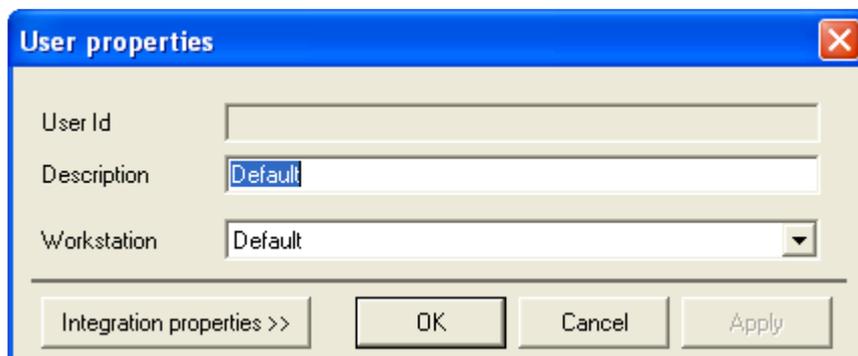
Target Match

All printouts follows keyword f.ex. Schenker, DHL. The keyword is used to be able to match the word to “target match” and to be sent to the selected printer. Using this you can direct the printouts to the correct printer, e.g.. One printer has labels with receipts and the other without. The keyword can be used to direct the correct label to the correct printer.

User setup



Printouts coming from a webpage has information about which user who executed it. To make this work the user must be connected to a workstation that in turn have information about what printer and paper to use.



User ID

Specifies the identity of the user.

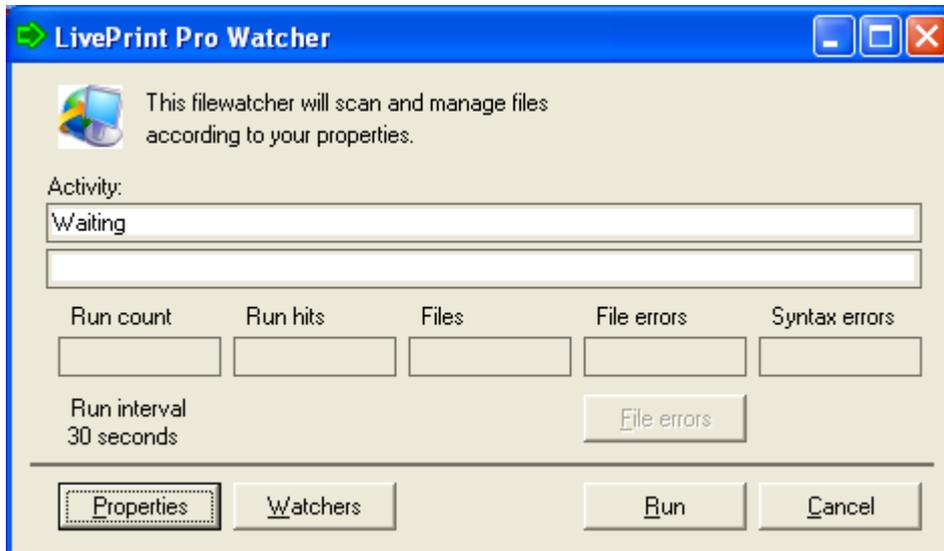
Description

Short description of the user

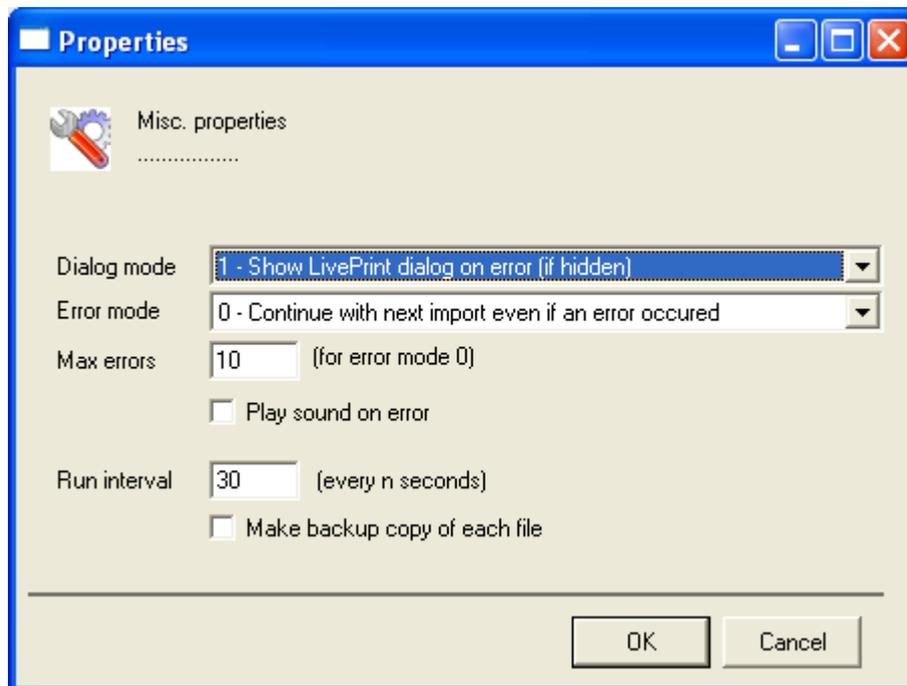
Workstation

Specifies the workstation the user is connected to.

Setup – LivePrint Watcher



Preferences



Dialog mode

Following options are available:

0 – Keep LivePrint Dialog hidden on error (if hidden). Even if an error occurs the LivePrint dialog-mode won't show up.

1 – Show LivePrint dialog on error (if hidden). Shows the LivePrint dialoge if an error occurs.

Error mode

Following options are available:

0 – Continue with next import even if an error occurred

1 – Suspended import if error occurred.

Max errors

The application will come to a halt if the amount of errors reaches the max limit.

Play sound on error

Plays a sound if an error occurs.

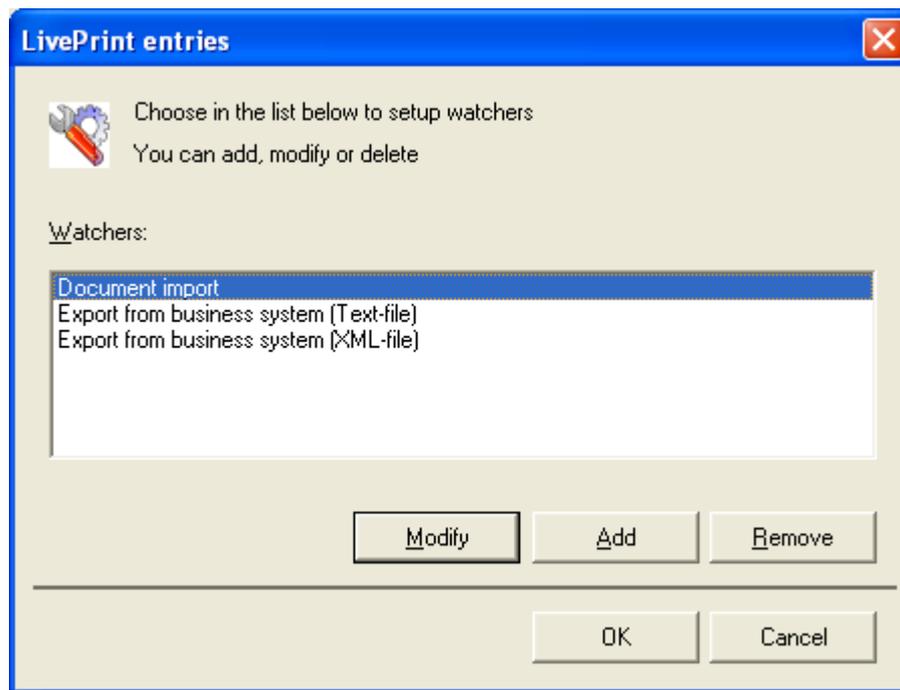
Run Interval

Specifies how often the application should check the webservice for new printouts.

Make backup copy of each file

A backup of the XML-file from the webservice is created.

LivePrint Watcher Setup



One or more watcher can be added depending on the need. One primary Watcher is most often enough. Another one for testruns might be needed.

Identity

Unique ID for each connection.

Text info

Short descriptive text.

Use mode

Following options are available:

0 – Do not use this description

1 – Import print-files from server

2- Export local data-files and print (only LivePrint Pro)

User Select

This function is only available in LivePrint Watcher Pro. It uses the user information from the selected user. The function is specially designed for Usermode 2 where a selection of user is forced (See: Setup LivePrint Pro).

Host

Refers to the webservers URL. Must always begin with http:// or https://

Path

Searchpath to the Java-servlet LivePrint

Company ID

Specifies the company ID that is sent to the LivePrint servlet. Parameter: "company".

Login

Login name. Parameter: "login".

Password

Password. Parameter: "password".

Parameters

Parameters are only used in version 1.x for testing. The ZPL-text provides information for LivePrint that ZPL should be sent in return, if not Windows code is sent back. Parameter: "parameters".

Test parameters

If TESTMODE has been selected the user needs to specify test parameters. In this case the call to LivePrint will say: &test=1. Further parameters can be added here. Right now "&testcount=2" can be added to create two printouts instead of one. Parameter: "test".

OBS! This function should only be used under the supervision of technicians.

Directory

The preset value is import and is located as a subdirectory to the application (default/program/LivePrint/import).

Save pattern

Incoming files can be renamed according to a custom pattern. In the example above the file will be renamed to start with a M+date+time and end with the extension .liveprint.

Import file

Information that decides what files are to be handled by LivePrint

Response pattern

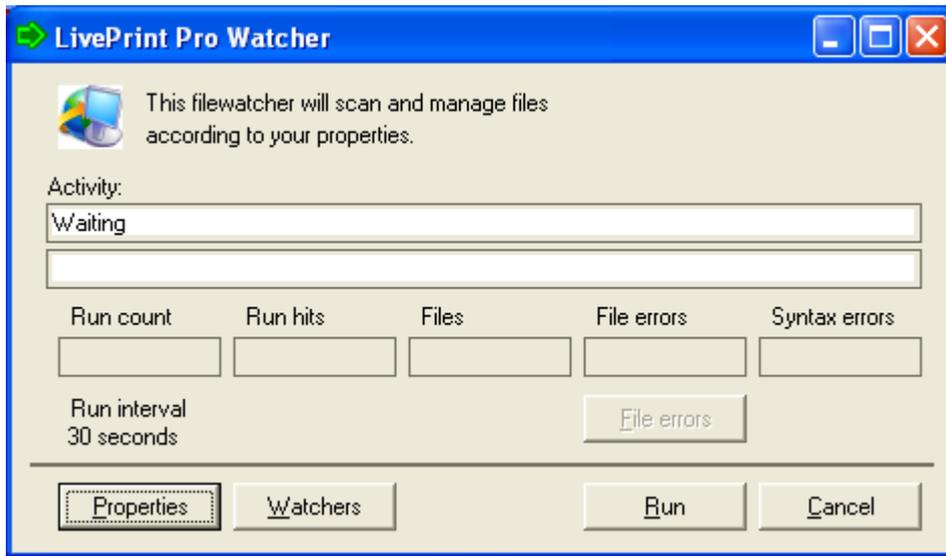
This field may be used to retrieve information on the printed data. If the field is left blank no response file will be created. If a responsefile is wanted the "%f"-command is suitable. This will name the response file to match the printjob. LivePrint Watcher Pro benefits a great deal from this with the usage of "Usermode 2". The name of the file will match the name of the export file the system creates. Observe that the file name always will get the extension .xml and the file will be placed in a subdirectory for import files in the "response" directory.

Interactive – through webpage



The first time you do label prints through a webpage your browser will query you as the picture shows “Would you like to open or save this file”. Disabling this after the first time requires you to de-select the “Warn....” option. Now press the “open” button and printing through webpages will be automatic.

Integration (batch) – through business systems



There are two methods for batching. Option one is that the server has a mailbox setup that is being checked for information that needs to be printed on a time interval. The second option is that the business system creates a file containing data about a freight. The data is placed in a directory that the batch application checks frequently. When data is found it is sent to the server for handling and printing.

Also see LivePrint Watcher setup, Use Mode

LivePrint Pro, Integration (direct) through business system

LivePrint Pro is the bigger sister of LivePrint. One of the features is the possibility to integrate direct printouts from the business system to LivePrint. The business system creates a file with information about a new shipment. The data file is sent via LivePrint Pro to the webserver that generates a print file to the printer.

The call works like this:

ex. C:\Program\LivePrint\vlppro.exe '-a -argument=xxx'

The following arguments can be used:

-user= Username

-datafile= Complete path to the file

-mode= XMLDEF (can be ignored, see setup)

-replyfile= Complete path to possible respond file

-flags= Not in use at the moment

-mode= Can take the following values:

XMLDEF means that the file is in XML-format according to the Memnon standard

The argument string needs to be as follows:

1. Start with an apostrophe '
2. **-a**<space>
3. **-user=Bob**<space>
4. **-datafile="C:\tmp\My File.txt"**<space>
5. **-mode=XMLDEF**<space> (1)
6. **-replyfile=C:\Tmp\MyResponseFile.txt**<space> (2)
7. End with an apostrophe '

Line 4 contains a file using a space in its name. If so the filename must be inside quotation marks. In line 6 the name does not contain a space and can therefore be without quotation marks.

Alternative argument string:

1. Start with a quotation mark “
2. **-a**<space>
3. **-user=Bob**<space>
4. **-datafile='C:\tmp\My File.txt'**<space>
5. **-mode=XMLDEF**<space> (1)
6. **-replyfile=C:\tmp\MyResponseFile.txt**<space> (2)
7. End with a quotation mark “

When the argument string start with a quotation mark instead of an apostrophe file names containing spaces has to be inside apostrophes.

<space> can be one or more spaces.

(1)-mode can be left out and the value to be collected from the preferences in LivePrint Pro

(2)-replyfile can be left out if you do not want a datafile in return with information that has been completed by the server

Example of a call:

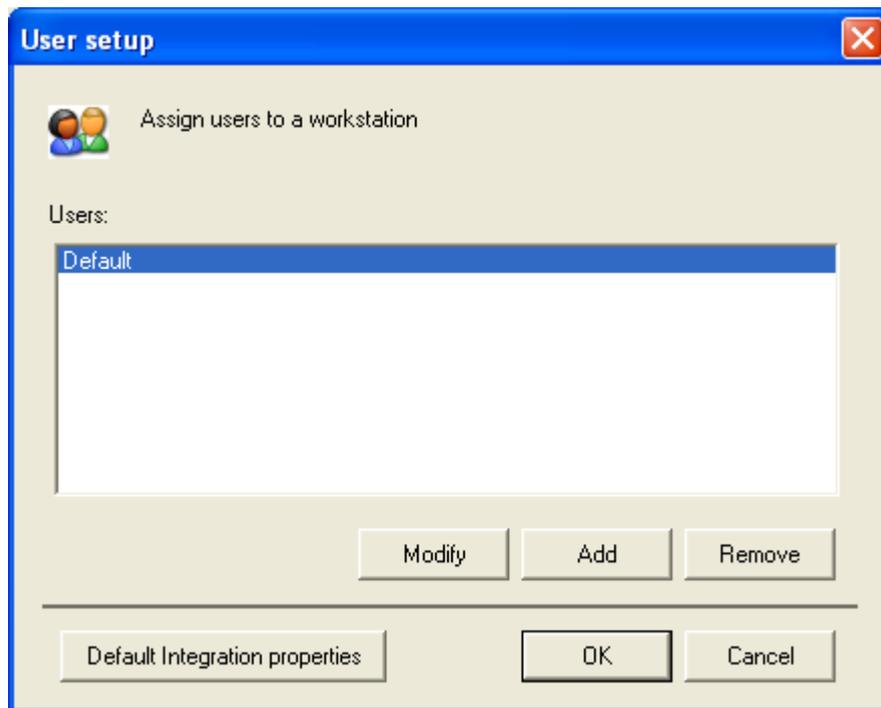
The business system creates a file with information regarding the transport. In this case the file is created in the directory C:\tmp\ and is named My File.txt

When this is done LivePrint Pro is called upon as follows:

```
C:\Program\LivePrint\clppro.exe 'a -user=Bob -datafile="C:\tmp\My File.txt" -mode=XMLDEF -replyfile="C:\tmp\MyResponseFile.txt"'
```

Make sure to not miss the starting and ending apostrophes.

User Setup – LivePrint Pro



A feature in the user setup is the button for default integration values. If individual values are needed for certain users you need to setup matching values for each respective user.

Individual setup for users

User properties

User Id

Description

Workstation ▾

Integration properties >>

Use mode ▾

Import mode ▾

Import flags

Host

Path

Company ID

User name

Password

Parameters

Test parameters

Email, notify

Integration setup, default

Import mode

The following options are available:

0 – Standard XML import file

Import flags

This option is not in use at the moment.

Host

<http://hostcomputer> or <https://hostcomputer>

Path

Search path to the java-servlet **/servlet/LivePrint**

Company ID

Specifies the identity on the connected company.

Login

Login name

Password

Password

Parameters

This is not used for normal usage

Test parameters

Can be used for testing

Email, notify

If an error occurs the email address is collected.

See setup choices above.

Response file

If calling systems wants information the server has been able to complement regarding f.ex waybills and package Ids this can be done by typing **-replyfile=C:\directory\filename.txt**

Be aware that the file always gets the extension **.xml**. Above file name will be C:\directory\filename.txt.xml when done.

Response file example:

```
<?xml version="1.0" encoding="ISO-8859-1" ?>
<tabledata name="data" recordcount="1">
<record>
<S_CUSTNO>778899</S_CUSTNO>
<S_NAME>TRANSPORT COMPANY</S_NAME>
<S_REF>Order 123456</S_REF>
<S_ADDR1>MAIN STREET 1</S_ADDR1>
<S_ZIPCODE>123 45</S_ZIPCODE>
<S_CITY>MALMÖ</S_CITY>
<S_CCODE>SE</S_CCODE>
<S_COUNTRY>Sweden</S_COUNTRY>
<S_PHONE>0123-456789</S_PHONE>
<R_NAME>Company</R_NAME>
<R_REF>John Smith</R_REF>
<R_ADDR1>Test street</R_ADDR1>
<R_ZIPCODE>99999</R_ZIPCODE>
<R_CITY>Testcity</R_CITY>
<R_CCODE>US</R_CCODE>
<R_PHONE>0123-456789</R_PHONE>
<SHIPMENTNO>1234567890</SHIPMENTNO>
<SHIPDATE>2007-04-17</SHIPDATE>
<PAYCUSTNO>778899</PAYCUSTNO>
<ITEMNOS>1</ITEMNOS>
<ITEMSEQNO>1</ITEMSEQNO>
<ITEMGWEIGHT>10.0</ITEMGWEIGHT>
<ITEMVOLUME>0.0</ITEMVOLUME>
<ROUTECD>2LUS99999+00000000</ROUTECD>
<ROUTEHUMAN>(2L)US99999+00000000</ROUTEHUMAN>
<SSCC>003730000000000012345</SSCC>
<SSCCHUMAN>(00)3730000000000012345</SSCCHUMAN>
</record>
</tabledata>
```