

# Amadeus PMPRO Fiscal Printer Italy

Installation & Setup

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## Purpose

All invoices (=Fattura's) are routed through the Efolio / SDI system; all receipts (=Ricevuta's) and receipt related Credit Notes are to be sent to a printer with fiscal memory.

## Requirements

Required is Amadeus PMPRO version 10.2.144.0987

License file must have the country specification ITA (Italy)

Epson FP 90III RT / FP 81 II RT

## Installation

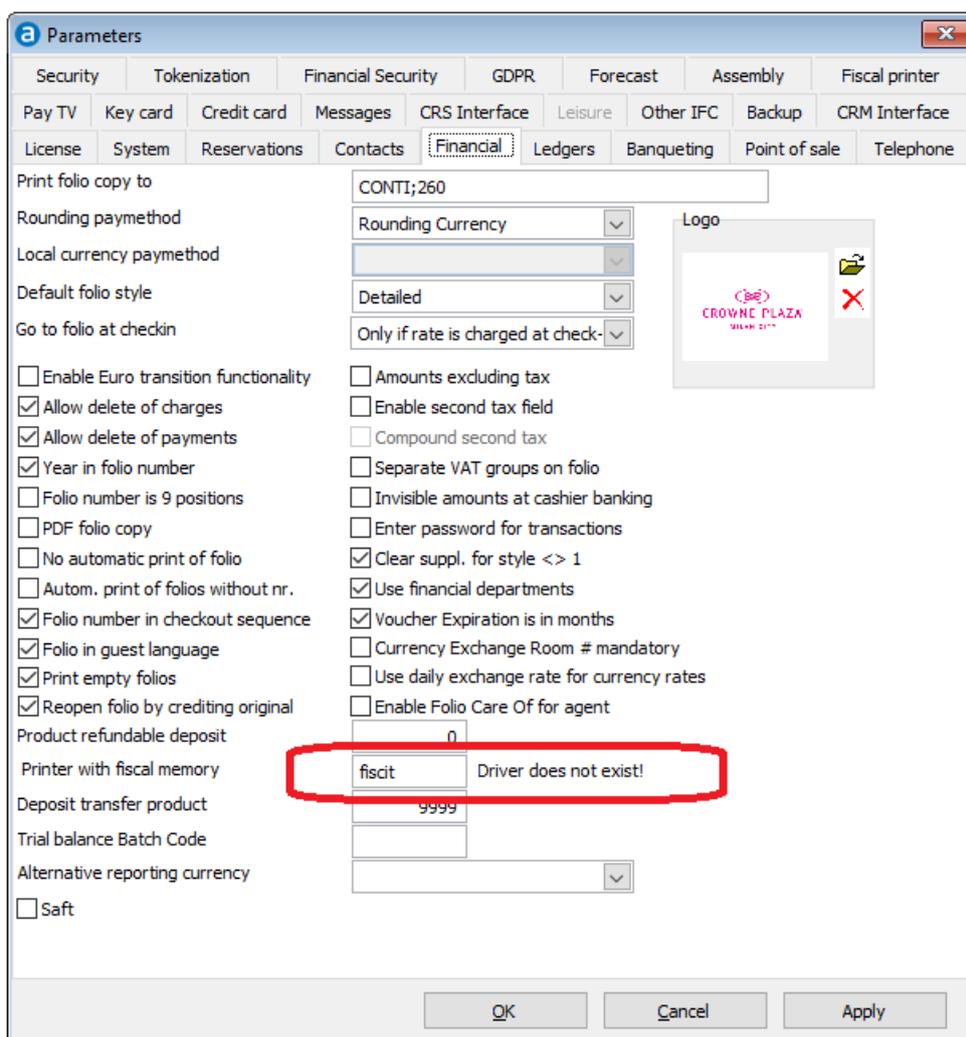
Update Amadeus PMPRO to version 10.2.144.0987

Set up the printer Epson FP 90III RT / FP 81 II RT and connect it to the network.

# Setup

## Setup, Preferences. Financial Tab:

Configure the fiscal printer in the parameters/financial page: enter fiscit into the field 'Printer with fiscal memory'



If this FXP does not exist (it does not at the moment) an internal routine handles this based on this setting, but it can be updated with an FXP.

## Setup, Preferences. Fiscal printer Tab

The screenshot shows a software window titled 'Parameters' with a tabbed interface. The 'Fiscal printer' tab is active. The window contains several configuration sections:

- Default printer IP address:** A text field containing '10.0.31.198' and a 'Test' button.
- Detailed mapping:** A table with two columns: 'Workstation' and 'Printer IP address'.
 

Workstation	Printer IP address	
GLZL55128	10.0.31.199	Test
Recept01	10.0.31.197	Test
		Test
		Test
- POS paymasters:** A text field containing '9001,9002,9003,9005'.
- PMPPro paymethod groups for 'elettronico':** A text field containing '3'.
- Checkboxes:**
  - Request Z2 during audit
  - Do not send Fattura to fiscal printer
  - Folio nr. in receipt header
  - Option for Fattura Sospeso
- Copy mode:** A dropdown menu set to 'PMS copy'.
- Display text:** A text field containing 'Thank you!'.
- Buttons:** 'Upload logo', 'OK', 'Cancel', and 'Apply'.

Default printer IP address: IP address of the default fiscal printer

Detailed Mapping: here up to four workstations can be defined to use different fiscal printers

Workstation: workstation name ( [...] fills in the current workstation name)

Printer IP Address: IP address of the printer used (if not the default fiscal printer is used)

POS Paymasters: Dummy rooms to be ignored by the fiscal printer

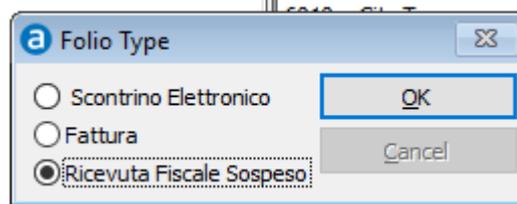
PMPRO Paymethod groups for 'elettronico': paymethod groups, separated by a comma

Request Z2 during audit: Automatic Zreader on the fiscal printer during night audit

Do not send Fattura to fiscal printer: Fattura's are not sent to the fiscal printer

Folio number in receipt header: PMPRO folio number on fiscal receipt

Option for Fattura Sospeso: will show an option Ricevuto Fiscale Sospeso  
(not sent to fiscal printer)



Copy mode: Possibility to create a non-fiscal copy

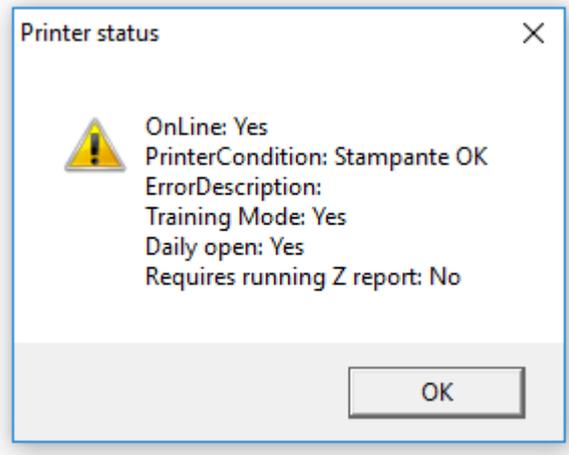
- **Internal printer:** Printer generated copy of the fiscal printout in a 'Documento Gestionale' (activation in printer)
- No extra copy
- PMS copy: PMS generated copy printed on the fiscal printer.

Folio nr. In receipt header

Display text (to be shown on the printers customer display): Thank you!

Update logo: Option to load a logo from the parameter tab into the printer. It opens a file dialog for BMP files. Limit imposed by Epson is 20KB. A dialog warns when the size is exceeded.

The Test button(s) perform a connection and printer status check:



Online : ready to print

PrinterCondition: Stampante OK (Printer OK)

Error description: only set if applicable

Training mode: reports 'Yes' if 'DEMO' mode is active (printer not 'fiscalized')

Daily open: reports 'Yes' if a transaction has been made after last Closure / Z reader

Requires running Z report: daily closure is overdue, perform Z reader before printing to fiscal.

## Setup, Financial, Map financial printer

### Fiscal printer mapping:

The RT type fiscal printers receive from the PMS only price and units for revenue postings and work out the TAX included internally. To be able to do this, it has been set up with up to 99 departments which each map to a TAX percentage. Each revenue posting from the PMS has to specify a department number to enable the printer to do this. These departments have to be mapped to the PMS tax definition: Menu/Setup->Financial->Map Financial Printer. Listed below is, as an example, the slightly unorthodox setup with our test printer:

Mapped VAT number	Mapped description	Fisc. prt. department	F.P. Description	Printer VAT%
7	IVA Fuori Campo Art.2	15	PRODOTTO 15	0.00
6	Escluso Art. 15/3	14	PRODOTTO 14	0.00
5	4% aliquota	4	PRODOTTO 4	5.00
4	0% esente art.72	12	PRODOTTO 12	0.00
3	0% escluso art.15	11	PRODOTTO 11	0.00
2	22% aliquota	1	PRODOTTO 1	22.00
1	10% aliquota	2	PRODOTTO 2	10.00
0		3	PRODOTTO 3	4.00
0		5	PRODOTTO 5	22.00
0		6	PRODOTTO 6	22.00
0		7	PRODOTTO 7	22.00
0		8	PRODOTTO 8	22.00
0		9	PRODOTTO 9	22.00

A PMPRO VAT may be mapped to one printer department only. If several printer departments have the same percentage, map the PMPRO VAT only once to avoid confusion. See above screen shot.

‘Load from printer’ loads all printer defined departments into the mapping table which takes about a minute or more. When called by context menu with one item selected, this option just refreshes the printer values for the selected item. This has to be executed first to implement the Fiscal Printer Departments. Then select the appropriate VAT via [Edit].

‘Verify mapping’ checks the presence of all PMS tax codes in the mapping. For items such as ‘21%’ which are discontinued, add an unmapped entry with a text like ‘Discontinued’

## Fiscal printer management:

To assist with the process two additional menu options:

1. Apart from the option to run the Z reader (c.q. Daily Closure) automatically at the end of the night audit, a manual option is available in the menu: **Financial, Start Fiscal Printer Z Reader**
2. The completeness of the fiscal documents can be viewed and controlled through: **Financial, Manage Fiscal Printer:**

Invoice nr.	Contact	Invoice d...	Country	Fiscal date	Time	Fiscal doc...	Printer IP
<input type="checkbox"/> C201800040	CHMELAR,PETR...	24/01/2019	Italy	3/7/2019	14:49	0026 0026	10.0.31.199
<input type="checkbox"/> R201812701	CHMELAR,PETR...	24/01/2019	Italy	3/7/2019	14:56	0026 0030	10.0.31.199
<input type="checkbox"/> R201812703	CHMELAR,PETR...	24/01/2019	Italy	3/7/2019	15:38	0026 0033	10.0.31.199
<input type="checkbox"/> R201812704	CHMELAR,PETR...	24/01/2019	Italy	3/7/2019	15:38	0026 0033	10.0.31.199
<input type="checkbox"/> R201812705	CHMELAR,PETR...	24/01/2019	Italy	3/7/2019	15:46	0026 0035	10.0.31.199
<input type="checkbox"/> C201800042	CHMELAR,PETR...	24/01/2019	Italy	3/7/2019	15:48	0026 0036	10.0.31.199
<input type="checkbox"/> R201812706	CHMELAR,PETR...	24/01/2019	Italy	3/7/2019	15:50	0026 0037	10.0.31.199

[**Recreate**] sends the selected folio(s) to the fiscal printer again. Beware: As this should be handled with care, a confirmation is requested first.

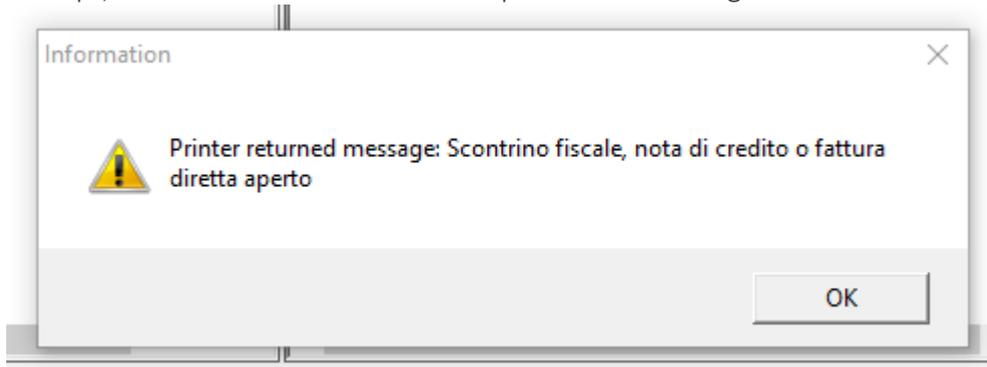
[**Preview**] shows the folio itself for reference.

[**Message Trail**] previews a report with the message exchange with the printer for this folio (which can be printed if desired) in case errors have to be resolved.

The access to this screen can be blocked via the user rights in the menu option.

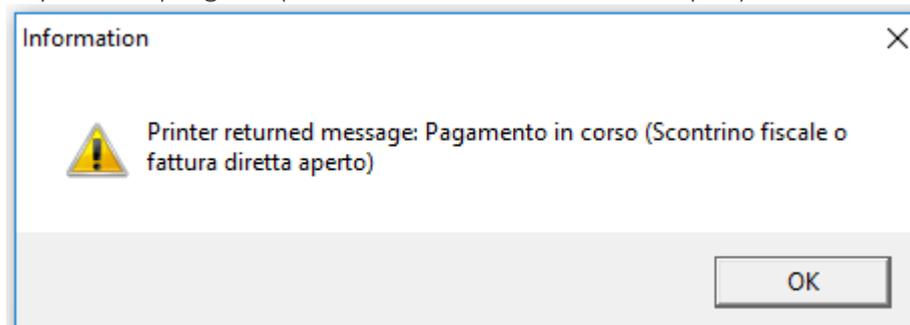
## Miscellaneous:

1. Before closing a folio where a fiscal printout is required, a status check is performed, with a warning if the printer is not ready, and a notification ('Apprendimento') if the printer is not in fiscal but in demo mode
2. Receipt, credit note or direct invoice open : Error message

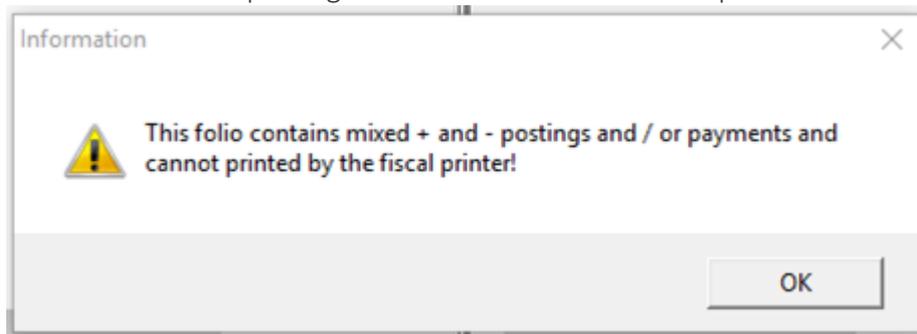


Error message, to be cleared via the keyboard of the printer

3. Or: Pagamento in corso (Scontino fiscale o fattura diretta aperto)  
Payment in progress (Tax discount or direct invoice open)

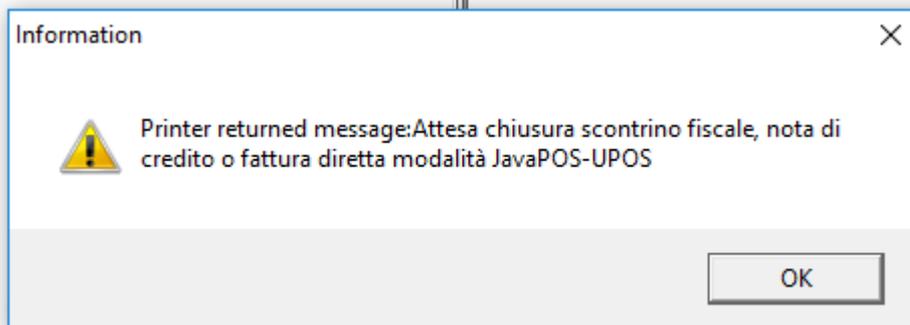


4. Folio's with mixed postings cannot be sent to the fiscal printer.



5. After printing any warnings from the printer may show briefly (e.g. 'Paper nearly out').

6. The message logging is stored in a new Sql Server table ('FiscTrail') linked to bill number and date
7. Resulting Fiscal Printer number - if printed successfully - is stored in Folio.Dbf (fl\_fiscnum, fl\_fiscdate, fl\_fiscptime, fl\_fiscip which values are shown in the 'Manager' (see above).
8. The grouping on the fiscal printer as requested is not possible due to rounding issues (printer takes price and units and calculates amount and IVA from that). An attempt to solve this the same way as for the e-folio by adding 6 decimals has an undesired effect: the printout is accepted but the printer still only uses two decimals for the amount calculation causing a rather unbalanced print out. So the grouping is on article number + price only.
9. In case of an unfinished document the message is:  
 Attesa chiusura scontrino fiscale, nota di credito o fattura diretta modalità JavaPOS-UPOS  
 Waiting for receipt to close, credit note or direct invoice JavaPOS-UPOS mode



## **\*\*NEW\*\*** Codice Lotteria

To encourage the handing out of receipts, the Italian government has created a 'receipt lottery' where the customer can play for a prize using the value of the receipt. For this purpose, each individual has a number coupled to his or her tax id which they can present at the moment of payment, the 'codice lotteria'. The issuer enters this code in the fiscal receipt, and it gets set up to a central lottery server at the time of the Z reader. Customer can, at a later time, check on the government web site if a prize was won.

### Hardware Requirement:

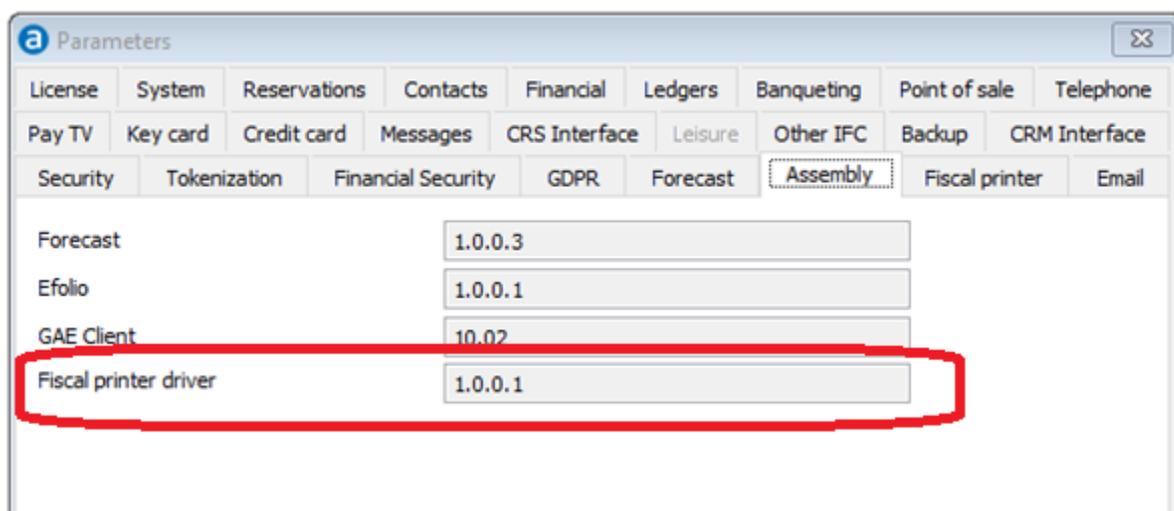
The Epson printer firmware needs to be updated by a qualified Epson technician, as this involves breaking and reapplying the fiscal seal on the printer. Customer has to contact his Epson dealer for details.

### Software Requirement:

Pmpo version: 10.2.144.1200 (Database update to include field fl\_lotcode in Folio/HistFol)

Fol\_exp.fxp Version 1.36 (07.01.2021) or later

Fiscalprinter.Epson.dll: internal version 1.0.0.1



## Implementation:

This option is enabled in PMPRO via Setups, Preferences, Fiscal Printer Tab:

The screenshot shows the 'Parameters' dialog box with the 'Fiscal printer' tab selected. The 'Key card' sub-tab is active. The 'Default printer IP address' is set to 192.168.178.199. Below this, there is a table for 'Detailed mapping' with columns for 'Workstation' and 'Printer IP address'. The first row shows 'GLZL99220' and '192.168.178.199'. Below the table, 'POS paymasters' is set to '9001,9002,9003,9005' and 'PMPro paymethod groups for 'elettronico'' is set to '3'. A list of checkboxes includes 'Request Z2 during audit', 'Do not send Fattura to fiscal printer', 'Folio nr. in receipt header', 'Option for Fattura Sospesa', and 'Prompt for Lotteria code', which is highlighted with a red box. 'Copy mode' is set to 'PMS copy' and 'Display text' is 'Saved with fiscal nr:'. At the bottom, there are 'OK', 'Cancel', and 'Apply' buttons.

