flysoft.

Procedural documentation for flysoftPOS System

Updated 27.06.2025

Document version history

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27.06.2025	Release history	Updated <u>release history</u> Add a <u>malfunction in the</u> <u>operation of TSE</u>	A.V
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23.06.2022	Export in DSFinV-K format	Added new section managing cash summary	A.V
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Functionalities of the POS system

This document is a guide for the tax offices in auditing cash register data and applies to regular operation of FlysoftPOS. In rare cases, errors from hardware or software components may cause exceptions that may deviate from the provided information. This document is updated for FlysoftPOS version 1.2.4.

Architecture of FlysoftPOS

FlysoftPOS operates offline without a permanent internet connection. Data is processed and stored by a local desktop server, and mobile clients rely on a connection to this server. The desktop server acts as the "master" and mobile clients as "slaves" in a master-slave architecture, with a single TSE module connected to the server.



Fig. 1: Schematic representation of FlysoftPOS architecture with TSE module

Master data

Master data are editable records in the POS system, grouped as specified:

- Users (user profiles, roles and rights)
- Menu (items, item-subcategories, item-categories and memos)
- Runtime (order, payment, cancellations, all business transaction data)
- System (license, backup, printer)

The menu and shop data for the POS system are imported from a CSV file during setup, usually prepared by the Flysoft team based on customer requirements.

Assignment of Invoice Number and Invoice ID

Invoice numbers are generated automatically and sequentially, with no influence from outside parties. The algorithm is **last_invoice_number + 1** each time a new invoice is created, whether from desktop or mobile clients.

Invoice IDs are unique alphanumeric codes. For normal invoices, the ID is randomly generated, but for reopened or cancelled invoices, it links to the parent invoice number.

Link between Order and Invoice

To review POS data, you can use the export data feature. The "orders.csv" and "invoices.csv" files contain all invoice and ordering information in the GoBD export. The connection between the two files can be determined using the "order-id" property, available in both CSV files.



Fig. 2: Link between invoices.csv and order.csv

Link between Invoice and Line-items

Line items can be found in the "invoice-items.csv" file. They are associated with an invoice through a shared "invoice-id".



Fig. 3: Link between invoices.csv and invoice-items.csv

Edit Invoice

Invoices can be edited as long as the current shift is in progress. After the shift is closed, either manually or automatically, editing is not allowed. A shift runs from 7.00 AM to 7.00 AM the next day. If an invoice was created in the previous shift, it cannot be edited in the current shift. This restriction is enforced by FlysoftPOS to prevent misuse of the editing option.

Reopen Invoice

When an invoice is reopened, the original invoice is cancelled by creating a new invoice with negative values, and a third invoice documents the changes. The link between these invoices is the invoice ID. The change is recorded in the event logs as "INVOICE_REOPENED" in the eventlogs.csv file.

For example, if the original invoice ID is "e7016673a6", and its invoice number is RE-1010, then the negative invoice ID will be "e7016673a6-*NR(RE-1010)*" and the final invoice ID will be "e7016673a6-*R(RE-1010)*".

Edit Payment

When editing a payment in the POS system, the original invoice is cancelled with a negative invoice and a new invoice is created with the updated payment information. The change is recorded in the event logs as "INVOICE_PAYMENT_UPDATED" in the eventlogs.csv file. The link between the original invoice, negative invoice and the final invoice is the invoice-id.

Void/Cancel Invoice

When an invoice is voided, a new invoice is created with negative values of the original invoice, including total, subtotal, and payment type. This negates the revenue of the original invoice. The voiding of an invoice is recorded in the eventlogs.csv file with the event-type "INVOICE_CANCELLED". The link between the original invoice and the negative invoice is the invoice-id.

For example, if the original invoice ID is "c2abf94", and its invoice number is 1010, then the negative invoice ID will be "c2abf94-*NC(RE-1010)*".

End-of-Day Report (Z-Report)

A single shift runs 24 hours from 7.00 AM to 7.00 AM the next day. The shift can be closed manually or automatically to prepare the Z-report, which can be accessed by authorized managers using the desktop server.

All business transactions can only be edited during an active shift and not after it is closed. When a shift closes, all transaction (reopen, payment update, void, etc.) are final. This protects the integrity of the data.

Export financial data in GoBD format

FlysoftPOS exports POS system data in a format compliant with tax offices. The data is converted into a readable format and all fields are transferred directly into a CSV format without changes.

The exported CSV files can be opened by any spreadsheet application like LibreOffice Writer, MS Excel etc. Each GoBD export contains an index file, which provides metadata on the exported CSV files.

How to access GoBD export

The GoBD export feature can only be accessed by managers with elevated rights inside the "F10 Data" tab. The date range can be selected when generating the export, and it will only include data from that range.



Fig. 4: GoBD export feature

F1 Bericht	F2 Artikel	F3 Nutzer	F4 Bestellung	F5 Zahlung	F6 Gutschein	F7 Funktion	F8 Drucken	F9 Journal	F10 Daten		×
			er		GoBD-I	Export		×	Werkseinste	ellungen	
			Wählen	ie den Datum	sbereich						
	YI Ex	port Speise	arte 01.01.2	022	#	♦ 05.05.2	2022		Daten wieder	herstellen	
					~	/					
	🖬 Go		port			Datenexport			TSE Tar E	Export	
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	ų	Software Ka	nal								

Fig. 5: GoBD date-range selector

Structure of exported GoBD data

Files in the GoBD export	Description
event-logs.csv	Log of system events
event-logs-masterdata.csv	Log of events regarding the creation, editing, and deletion of master data
orders.csv	Guest orders
order-items.csv	Line items from guest orders
invoices.csv	Invoices
invoice-items.csv	Line items from invoices
payments.csv	Payments for invoices and vouchers
taxes.csv	Taxation for invoices
vouchers.csv	Voucher sales and cancellations
voucher-redemptions.csv	Voucher redemptions
shift-reports.csv	Business reports within a shift (Z-Bon)
cash-operations.csv	Cash withdrawals and deposits
version-history.csv	History of application OTA updates
gdpdu-dd-mm-yyy.dtd	XML definition for index.xml
index.xml	Metadata of all exported files

The data contained in each file is explained in-detail in the following tables.

event-logs.csv

Field	Description
id	Unique ID of the event
created-date	Event date in YYYY-MM-DD format
created-time	Event time in HH:MM:SS format
user-id	ID of user who caused the event
user-name	Name of user responsible for the event
device-id	Device ID where the event occurred
event-type	Type of event
event-title	Title of event
event	Description of the event

event-logs-masterdata.csv

Field	Description
id	Unique ID of the event
created-date	Event date in YYYY-MM-DD format
created-time	Event time in HH:MM:SS format
user-id	ID of user who caused the event
user-name	Name of user responsible for the event
device-id	Device ID where the event occurred

event-type	Type of event
event-title	Title of event
event	Description of the event

orders.csv

Field	Description
id	Unique ID of the guest order. Also known as "order-id"
created-date	Creation date in YYYY-MM-DD format
created-time	Creation time in HH:MM:SS format
shift-id	ID of the active shift
user-id	ID of user who created the guest order
user-name	Name of user who created the guest order
table-id	Guest order's assigned table ID
customer-name	Name of the guest/customer
order-type	Type of the guest orders
	(Im Haus, Mitnahme, Lieferung)
device-id	Device ID where the guest order occurred
settled	Indicates if guest order is settled or pending

order-items.csv

Field	Description
id	Unique ID of line item
created-date	Creation date in YYYY-MM-DD format
created-time	Creation time in HH:MM:SS format
order-id	ID of the guest order. This field is used to associate line items to its guest order.
quantity	Quantity of the line items. If cancelled, its quantity will be negative.
item-plu	PLU of the line item
item-name	Name of the line item
item-price	Price of the line item
expense-item	Whether the line item is an expense item
subcategory-id	ID of the subcategory associated with the line item
subcategory-name	Name of the subcategory associated with the line item
user-id	ID of user who created the order
user-name	Name of user who created the order

memos	List of order memos requested by the guest
device-id	Device ID where the order occurred
sent	Indicates if item is sent to kitchen printer or not
creation-reason-description	Describes the cause for the line item creation. For example, if the line item was created by dining table transfer, then the cause will be specified here.
cancelled	Indicates if the line item is cancelled

invoices.csv

Field	Description
id	Unique ID of the invoice
created-date	Creation date in YYYY-MM-DD format
created-time	Creation time in HH:MM:SS format
shift-id	ID of the active shift
order-id	ID of the linked order
invoice-number	Auto-incremented invoice number
order-type	Type of order (Im Haus, Mitnahme, Lieferung)
user-id	ID of user who created the invoice
user-name	Name of user who created the invoice
device-id	Device ID where the invoicing occurred
table-id	ID of the dining table associated with the invoice
discount-id	 ID of the discount applied to the invoice. When custom discount is applied, the value will be "CUSTOM". When a predefined discount is applied, the value will be a UUID that uniquely identify the discount
discount-selection	Type of the applied discount. 2 possible values 1. TOTAL_DISCOUNT 2. ITEM_DISCOUNT

subtotal	Subtotal amount
expenses	Expense amount
discounts	Discount amount
total	Invoice total amount
taxes	Create a tax entry for each tax rate on the invoice. Use these values to link tax entries from the "taxes.csv" file.
net-total	Net total amount
number-guests	Number of guests
order-agent	Name of order agent
customer-name	Name of guest
state	 7 possible invoice states 1. NORMAL 2. CANCELLED, 3. REOPENED, 4. PAYMENT_UPDATED, 5. NEGATED_BY_CANCEL, 6. NEGATED_BY_REOPEN, 7. NEGATED_BY_PAYMENT_UPDATE
charge-category	 3 possible charge categories 1. <null> (No categories specified)</null> 2. Restaurant 3. Hotel

invoice-items.csv

Field	Description
id	Unique ID of the invoice item
created-date	Creation date in YYYY-MM-DD format
created-time	Creation time in HH:MM:SS format
invoice-id	This ID is used to link the invoice items to its parent invoice.
takeout	Indicates if the invoice item is for takeout
quantity	Quantity of the invoice item. If cancelled, its quantity is negative.
item-plu	PLU of the invoice item
item-name	Name of the invoice item
item-price	Price of the invoice item
expense-item	Indicates if the invoice item is an expense item
tax-type	ID of the applied tax-type
tax-name	Name of the applied tax-type. For example, "19%", "7%", etc.
subtotal	Subtotal amount
discount-id	ID of the discount applied to the invoice.When custom discount is applied, the

	 value will be "CUSTOM". When a predefined discount is applied, the value will be a UUID that uniquely identify the discount
discount-percentage	Percentage of discount applied to the invoice item
discount-amount	Discount amount
total	Total amount

payments.csv

Field	Description
id	Unique ID of the payment
created-date	Creation date in YYYY-MM-DD format
created-time	Creation time in HH:MM:SS format
shift-id	ID of the active shift
user-id	ID of user who created the payment
user-name	Name of user who created the payment
parent-id	ID of the parent Invoice/Voucher that used this payment.
device-id	ID of the device from which the invoice was created
total	Total amount

given	Given amount
change	Change amount (change = given - total)
tip	Tip amount
payment-type	ID of the payment type
state	State of the payment. 3 states are possible.1. NORMAL2. CANCELLED3. NEGATED

taxes.csv

Field	Description
id	Unique ID of the tax entry. This ID is included in the "invoices.csv" and can be connected to associate with an invoice.
tax-name	Name of tax (tax percentage)
gross	Gross amount
net	Net amount
tax	Tax amount

vouchers.csv

Field	Description
id	Unique ID of the voucher
created-date	Creation date in YYYY-MM-DD format
created-time	Creation time in HH:MM:SS format
ref-number	Unique automatically incremented reference number
shift-id	ID of the active shift
user-id	ID of user who created the payment
user-name	Name of user who created the payment
payment	Type of payment used
initial-amount	Amount credited to the voucher when it was created
remaining-amount	Remaining amount in the voucher
expiration-date	Expiration date of the voucher in YYYY-MM-DD format
customer-name	Name of customer voucher sold to
charge-category	Charge category
state	Current state of the voucher. 3 states are possible.

1. NORMAL
2. CANCELLED
3. NEGATED

voucher-redemptions.csv

Field	Description
id	Unique ID of the redemption process
created-date	Creation date in YYYY-MM-DD format
created-time	Creation time in HH:MM:SS format
voucher-number	Unique voucher number that used for the redemption. This field can be used to link the redemption to the voucher.
shift-id	ID of the active shift
user-id	ID of user who redeemed the voucher
user-name	Name of user who redeemed the voucher
redeemed-amount	Redeemed amount

shift-reports.csv

Field	Description
ref-number	Auto-incremented unique reference number

reference-date	Reference date of the report in YYYY-MM-DD format
created-date	Creation date in YYYY-MM-DD format
created-time	Creation time in HH:MM:SS format
cash-withdrawals	Comma separated list of cash-withdrawal operation ref-numbers. This number can be used to resolve entries from "cash-operations.csv".
cash-deposits	Comma separated list of cash-deposit operation ref-numbers. This number can be used to resolve entries from "cash-operations.csv".
number-guests	Total number of guests served in the shift
invoice-total	Aggregated sum of all invoice totals
tip-total	Aggregated sum of all tips received
user-revenue-total	Total user revenue amount
taxes	Total tax amount
payments	Total payment amount
cancellations	Total cancellation amount
discounts	Total discount amount
orderagent-total	Total order agent revenue amount
expense-total	Total expense
cancelled-item-total	Total cancelled item amount

cash-opening	Total cash available at starting of the shift
cash-withdrawal-total	Total amount withdrawn
cash-deposit-total	Total amount deposited
cash-operation-total	Total cash operations
cash-payments	Total cash payments received
cash-closing	Cash balance at end of the shift
voucher-opening	Total voucher amount available at starting of the shift
voucher-sold-total	Total voucher sold amount
voucher-cancelled-total	Total voucher cancelled amount
voucher-redeemed-total	Total voucher redeemed amount
voucher-closing	Voucher balance at ending of the shift

cash-operations.csv

Field	Description
ref-number	Auto-incremented unique numeric reference number
created-date	Creation date in YYYY-MM-DD format
created-time	Creation time in HH:MM:SS format
purpose	Purpose added by user for the operation

amount	Operation amount
type	2 types of cash operation 1. WITHDRAWAL 2. DEPOSIT

version-history.csv

Field	Description
id	Unique alphanumeric ID
created-date	Creation date in YYYY-MM-DD format
created-time	Creation time in HH:MM:SS format
version	Version number after update

Event-log System

FlysoftPOS offers a comprehensive journal system that tracks important events, including business transactions, changes to master data (such as items, discounts, and buffets), and user interactions (including login, data exports, hardware events, and mobile client events).

FlysoftPOS maintains a separate journal, ensuring that all system events are recorded and protected. Once created, journal entries cannot be modified, providing a secure and unalterable record of all events.

The journal entries in FlysoftPOS contain a timestamp, title, description, and user responsible for the event. The system easily manages millions of entries and allows for filtered viewing by date within the manager dashboard.

F1 Bericht	F2 Artikel	F3 Nutzer	F4 Bestellung	F5 Zahlung	F6 Gutschein	F7 Funkti	on F8 Drucken	F9 Journal	F10 Daten		×
05.05.20	05.05.2022			C Neu lader							
Eintrag	Zeit	•	Nutzer		Ereignis			Bescl	nreibung		+
96	05.05.2022 2	22:15	Boss-2	Login		ι	Jser Boss-2 (Man	ager) logged	in		
95	05.05.20222	22:15	SYSTEM	Applicatio	on started	f	Flysoft app version: 20220421 started				
94	05.05.2022	20:50	SYSTEM	Applicatio	Application ended		Flysoft app version: 20220421 ended				
93	93 05.05.2022 20:12 Kellner-E		Print faile	Print failed		Printing of "Order for table 55" failed					
92	92 05.05.2022 20:12 Boss-2		Login	Login		User Boss-2 (Manager) logged in					
91	1 05.05.2022 20:12 SYSTEM Pr		Print faile	Print failed		Printing of "Invoice RE-26504" failed					
90	05.05.20222	20:12	SYSTEM	Invoice pr	Invoice printed		nvoice #26504 (3	0,00 €) on tab	ole 55 printec	I	
89	89 05.05.2022 20:12 Kellner-E		Order prin	Order printed		Order on table 55 printed					
88	05.05.20222	20:12	Kellner-E	Items invo	piced	1	Following items of 4x THUNFISCH SA 4x SOJASPROSSE	on table 55 an ALAT (DIAN) (1 EN SALAT (DIA	e invoiced by 19,50 €) .N) (10,50 €)	invoice-26504:	
87	05.05.2022	20:12	Kellner-E	Order set	tled	(Order on table 55	settled with	invoice 2650	4	

Fig. 6: Reading journal entries in the manager dashboard

Download Event-logs

You can easily export the journal in CSV format through GoBD with the option to specify a date range. The exported file will contain all journal entries within the specified time period.

The GoBD exported zip archive contains two files with journal entries: "eventlogs.csv" with all journal entries and "eventlogs-masterdata.csv" with only entries documenting changes to master data.

Versioning System

FlysoftPOS uses advanced database versioning to track every change in business transactions, ensuring the proper preservation and security of relevant data. This system allows for detailed analysis of records and helps to explain events thanks to journal entries and TSE logs.

The versioning data is stored in a secure MongoDB database in a non-readable format, making it tamper-proof. While it is not directly downloadable, the Flysoft support team can provide versioning data in JSON format to tax authorities if needed.

Compliance with KassenSichV

FlysoftPOS integrates with TSE USB and SDCard hardware modules from Swissbit. The first time activation process is simple and user-friendly through a guided process, requiring confirmation from the user. Once activated, the system fully complies with the requirements of KassenSichV.

Contact information of the TSE hardware provider

The TSE hardware (USB, SDCard) is provided by Swissbit

Swissbit Germany AG Bitterfelder Straße 22 12681 Berlin Germany

Tel. +49 30 936 954 0 <u>sales@swissbit.com</u> <u>https://www.swissbit.com/en/solutions/fiscal/</u>

Certification IDs of TSE

The Swissbit TSE has been certified by the BSI since 20.12.2019 and the certificate number is BSI-K-TR-0362-2019. The certificate is valid until 19.12.2027 at the time of writing of this documentation.

As of 06.05.2022, all certificates can be downloaded directly from the Swissbit website from here: <u>https://www.swissbit.com/en/solutions/fiscal/</u>

Export in DSFinV-K format

Exporting DSFinV-K data can only be initiated by the manager through the manager dashboard. The manager must settle all active shifts before creating the export, which can be done easily after all Z-reports are settled.

F1 Bericht	F2 Artikel	F3 Nutzer	F4 Bestellung	F5 Zahlung	F6 Gutschein	F7 Funktion	F8 Drucken	F9 Journal	F10 Daten		×
	St	euernumme	er		Fehlerd	aten in die		4	Werkseinst	ellungen	
	M Ex	port Speisel	karte		Datens	sicherung		±1	Daten wieder	herstellen	
		RD Datopoy	port		T DS5inV/K	Datanovport	ן ה		TSE Tar	Typort	
	Art	tikel update	n mit	L							
	\$	CSV			Or Li	izenz		G	Berichte neu;	generieren	
	ې	Software Ka	nal								

Fig. 7: DSFinV-K export inside manager dashboard "F10 Data" tab

The manager can specify a date range for the exported data, including only transactions within the selected period.

	DSFinVK Export							×
Wählen Si	ie den	Datumsberei	ch					
2020	•	OCTOBER	-	\rightarrow	2022	•	MAY	•
► Custo	omize	export						
				~				

Fig. 8: DSFinV-K export by time period

Covid-special VAT rates

The 16% and 5% special VAT rates were introduced due to the coronavirus pandemic, identified by UST_SCHLUESSEL 1001 and 1002 respectively, and appear in multiple files in the export.

UST_SATZ	UST_SCHLUESSEL	UST_BESCHR
----------	----------------	------------

16%	1001	Allgemeiner Steuersatz (Coronakrise)
5%	1002	Ermäßigter Steuersatz (Coronakrise)

Multiple files in the DSFinV-K export use the special VAT data, identified by UST_SCHLUESSEL. The relevant files are listed below.

- Stamm_USt (vat.csv)
- Bonkopf_USt (transactions_vat.csv)
- Bonpos_Preisfindung (itemamounts.csv)
- Bonpos_Ust (lines_vat.csv)
- Z_GV_Typ (businesscases.csv)

Managing discounts

FlysoftPOS provides both invoice-level and item-level discounts, allowing greater flexibility in offering discounts to customers. Invoice-level discounts are applied to the entire invoice, while item-level discounts are specific to individual items.

The discounts are reflected in the exported data through the Bonpos (lines.csv) and Bonpos_Preisfindung (itemamounts.csv) tables.

In table Bonpos (lines.csv), invoice-level discounts appear as negative rows with the "STK_BR" value being negative and the "GV_TYP" column set to "Rabatt".

Item-level discounts are reflected in both tables Bonpos (lines.csv) and Bonpos_Preisfindung (itemamounts.csv), with a detailed breakdown of the discounted price appearing in the latter. The first row in the Bonpos_Preisfindung table represents the item's normal price, marked with "TYP" column as "base_amount", and the second row represents the discount, marked with the "TYP" column as "discount" Managing cash summary

Z_Waehrungen (cash_per_currency.csv) lists the cash availability at the time of ending a shift.

The column ZAHLART_BETRAG_WAEH contains the accumulated cash available at the end of every shift.

The cash balance recorded at the start of each shift is the accumulated balance from all previous shifts, not just the balance of a single shift.

Serial number of TSE module

The serial number of the TSE, a unique 64-digit alphanumeric identifier, is prominently displayed on every invoice, both as text and encoded within the QR code.

Reporting obligation for cash registers

The reporting obligation for cash registers has been temporarily postponed by the governing authority until a later date. Currently, there is no available option for businesses using FlysoftPOS to fulfill their electronic reporting requirements. (As of 06.05.2022)

Signing of the Invoices via QR code

The default invoice generated by FlysoftPOS includes both a text-based signature summary and a QR code. Both methods provide all relevant information about the transaction, and the QR code can be read and verified using a QR code reader.

Even though according to <u>Ergänzung von § 6 Satz 2 KassenSichV am 25.06.2021 durch</u> <u>den Bundesrat (S. 8)</u>, the inclusion of only the QR code in the receipt is sufficient, FlysoftPOS continues to include both for added convenience. However, if desired, the QR code can be removed from the receipt.

Failure of TSE module

Due to TSE connection problem or technical error, the invoice will display a notice indicating a temporary failure of the TSE. This will help the user to quickly identify and resolve any issues with the TSE, ensuring the proper functioning of the system.

III TSE FEHLER III

With the release of version 2470 on 21 Apr 2021, transactions made during a temporary failure of the TSE will no longer be added to the TSE once it is back online. Before version

2470, transactions were stored in a file-based queue and written back to the TSE when it became operational again. However, this queue has been removed in versions 2470 and above. If the TSE is disconnected, the program will wait a maximum of 15 minutes before dropping any transactions. If the TSE is reconnected within that time, transactions made during the disconnection will be written to the TSE. If the failure goes unnoticed for more than 15 minutes, however, these transactions will not be added to the TSE and the corresponding invoices will include an error message indicating the TSE was not working.

The DSFinV-K export will still include orders and invoices even without the TSE functioning properly, as long as at least one business transaction was performed using the TSE during the shift.

Transactions without TSE entry can be located in the transactions_tse.csv file by identifying the BON_ID sequence. For instance, if RE-10102 is listed after RE-10100, then RE-10101 was missed and not recorded in the TSE module due to an error. The same applies to other transactions such as orders, vouchers, etc. The prefix RE- is used for invoices, and a list of prefixes used for sequential transaction numbering can be found in <u>Appendix A</u>.

If the TSE is not operational during an entire shift, the corresponding orders and invoices will not be included in the DSFinV-K export. These missing shifts can be identified by the absence of the corresponding shift numbers in the exported "cashpointclosing.csv" file. In the event of a TSE malfunction, the issue will be promptly reported in the FlysoftPOS dashboard to ensure that the user is aware of the failure. The user will also be reminded of the TSE malfunction each time the application is started.

In case of a permanent TSE malfunction, the affected module should be replaced. The Flysoft support team can aid in purchasing and activating a replacement TSE module, while the user can also opt to purchase a Swissbit TSE module and activate it using the "Activation Wizard" provided. This makes the process of replacing the TSE module simple and straightforward.

Operation of FlysoftPOS with activated TSE module

Once the TSE hardware is successfully connected and activated, all business transactions are securely stored both on the TSE hardware and in the FlysoftPOS database. Each transaction is digitally signed by the TSE, which provides protection and guarantees the integrity of the data. This signature is included on every invoice, confirming the secure storage and processing of the transaction.

Changes to Store Data

The store master data, including the name and address of the establishment, contact person's name, telephone number, and e-mail address, and tax number, is linked to the user's license and managed by flysoft. As the user is not allowed to modify the master data, any updates are required to be made through the flysoft support team on the flysoft license server.

Implementation of the invoice receipt obligation

It is possible for FlysoftPOS users to complete the payment process and settle an order without printing an invoice, by selecting the "no print" option during payment. However, it is the user's responsibility to ensure they have an exemption from the invoice requirement if they choose to do so.

Malfunctions in the operation of TSE and DSFinV-K export

This section outlines any identified bugs in the TSE integration and DSFinV-K export and details when they were resolved. A new version was released for each bug fix to ensure the proper functioning of the system. The table in this section serves as a reference for tracking the malfunctions and their resolution dates and version numbers.

Issue	Affected version	Fixed version	Issue behavior
Bon_Referenzen (references.csv) file's REF_DATUM column stores invoice timestamp (DEV-4557).	All versions up to v1.2.9	v1.3.0	Instead of using the cash register closing timestamp, invoice timestamp was used in the REF_DATUM column.
Bonkopf_AbrKreis (allocation_groups.csv) does not track transfer of order from one table to another (DEV-4556).	All versions up to v1.2.9	v1.3.0	Dining table transfers were not being tracked, and only one table-ID per invoice was added in the allocation_groups.csv file.
eAS/TSE printout always uses same old BSI certification-id	All versions up to v2.9.7	v2.9.8	The BSI certification ID was always reported as "BSI-K-TR-0362-2019", even for devices equipped with newer Swissbit certificates.

Setting up the cash register

The basic configurations

During the initial installation of FlysoftPOS, default settings are provided, as shown below:

- Nine pre-configured users
 - Root | PIN: 888 | Language: English
 - Boss-1 | PIN: 888 | Language: Chinese
 - Boss-2 | PIN: 888 | Language: German
 - Kellner-A | No Pin | Language: Chinese
 - Kellner-B | No Pin | Language: Chinese
 - Kellner-C | No Pin | Language: German
 - Kellner-D | No Pin | Language: German
 - Kellner-E | No Pin | Language: English
 - Kellner-F | No Pin | Language: English
- Three user roles
 - Waiter: Can create and settle orders and do basic ordering functionalities.
 - Manager: Can access manager dashboard and update master data like menu, payment types, etc.
 - Root: Can do special actions like factory reset, restore from backup, etc.
- Five standard cancellation reasons
 - Falscheingabe
 - Falsch verstanden
 - Kundenänderung
 - Beschwerde
 - Training
- Three Payment methods
 - Bargeld
 - Karte

- Gutschein
- Five order agents
 - Lieferheld
 - o foodora
 - o pizza.de
 - Lieferando
 - Deliveroo
- The sample menu and memo preset in the app will be provided on request as CSV files and can be imported

Setup of the cash register

After receiving a demo or valid license from the flysoft support team, the user can easily set up the FlysoftPOS on their own. The sample menu and data will automatically be downloaded and installed once the license key is entered. The flysoft support team is available for assistance if needed.

Once the setup is complete, the user can review and make any necessary adjustments, such as adding menu items or changing the theme. The user is responsible for ensuring the accuracy and completeness of their settings. Once satisfied, the user can start using the POS system for real transactions.

Additionally, the journal entries are also time-stamped and can be filtered by date to quickly access specific changes made to the settings. The journal serves as a valuable tool for auditing and maintaining the integrity of the system. It is important for the user to regularly review the journal and make sure that the settings are consistent with their business operations.

The journal can also be exported through GoBD export, and its structure is described in the section <u>eventlogs.csv</u>.

Appendix A

List of prefixes used for various transactions for sequential ID allocation.

Transaction type	Prefix
Invoice	RE-
Voucher	GU-
Shift report	Z-
Order	BE-
Cash operation	CO-
Item discard	AB-

Release history of FlysoftPOS

This section provides a history of FlysoftPOS Desktop updates and releases. The updates are easily accessible to users through the built-in auto-update feature of the app.

Starting from March 2022, FlysoftPOS has switched to using a customer-friendly version numbering scheme in the format x.y.z, where x represents the major version, y represents the minor version, and z represents the patch version. This change was made to make it easier for users to understand and keep track of the version updates.

- Only releases made from 2021 are included in the following table.
- Version 1.3.0 is compatible with DSFinV-K 2.3 specifications.

Version	Release Date
1983	Jan 8, 2021
2150	20 Jan, 2021
2167	12 Feb, 2021
2198	05 Mar, 2021
2215	12 Mar, 2021
2325	23 Mar, 2021
2335	30 Mar, 2021
2385	01 Apr, 2021
2430	8 Apr, 2021
2438	19 Apr, 2021
2470	21 Apr, 2021
2474	24 Apr, 2021
2537	18 May, 2021
2555	20 May, 2021
2570	26 May, 2021
2572	27 May, 2021
2582	14 Jun, 2021
2635	16 Jun, 2021

2641	21 Jun, 2021
2667	23 Jun, 2021
2695	24 Jun, 2021
2720	7 Jul, 2021
2730	12 Jul, 2021
2732	15 Jul, 2021
2740	30 Aug, 2021
2741	01 Sep, 2021
2758	27 Dec, 2021
2766	28 Feb, 2022
1.2.0	8 Mar, 2022
1.2.1	14 Mar, 2022
1.2.2	18 Mar, 2022
1.2.3	29 Mar, 2022
1.2.4	10 May, 2022
1.2.5	2 Jun, 2022
1.2.6	8 Jun, 2022
1.2.8	10 Jun, 2022
1.2.9	15 Jun, 2022
1.3.0	28 Jun, 2022
1.3.1	13 Jul, 2022
1.3.2	19 Jul, 2022
1.3.3	31 Aug, 2022
1.3.7	23 Nov, 2022
1.3.9	14 Dec, 2022
1.3.10	07 Jan, 2023
1.3.11	9 Jan, 2023
1.4.0	13 Feb, 2023
1.4.1	21 Feb, 2023
1.4.2	01 Mar, 2023
2.6.4	18 Jul, 2024
2.6.5	05 Aug, 2024

12 Aug 2024
12 Aug, 2024
22 Aug, 2024
02 Sep, 2024
09 Sep, 2024
23 Sep, 2024
30 Sep, 2024
09 Oct, 2024
14 Oct, 2024
04 Nov, 2024
07 Nov, 2024
18 Nov, 2024
25 Nov, 2024
28 Nov, 2024
02 Dec, 2024
07 Jan, 2025
27 Jan, 2025
10 Feb, 2025
13 Feb, 2025
17 Feb, 2025
24 Feb, 2025
27 Feb, 2025
13 Mar, 2025
17 Mar, 2025
07 Apr, 2025
11 Apr, 2025
23 Apr, 2025
12 May, 2025
26 May, 2025
11 Jun, 2025