



Vectron Systems

Leading in POS Technology

Vectron POS SteelTouch

User manual

Your Vectron dealer

Stamp

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1. Introduction

Thank you for having purchased the Vectron POS SteelTouch. You have decided in favor of a high quality product that will support you in your daily work.

The Vectron POS SteelTouch boasts a very robust, high-quality metal housing, which requires only a small footprint. It is designed for use as single station or as server in ECR networks.

Chapters 7 and 8 give an overview on the hardware features of POS SteelTouch and their handling.

Chapter 9 of this manual describes how to start Vectron POS SteelTouch.

Chapter 10 describes how to operate Vectron POS SteelTouch.

The following chapters contain additional information e.g. about the cleaning of the POS system and about optional accessories.

Please see the supplement for the notes on connection of scales.

Finally, we draw up a glossary.

Please follow the instructions for use and notes on safety on the following pages.

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2. Target group for this manual

This manual is meant for all users of the Vectron POS system SteelTouch and describes all basic procedures for operating this system.



Note

This manual does not contain information concerning the very extensive programming of Vectron POS Steel-Touch. This requires detailed knowledge and is therefore incumbent on specialised Vectron dealers.

Please address all further questions to your Vectron dealer. He will be glad to assist you.

3. Electromagnetic compatibility

- These are Class A products. In a domestic environment these products may cause radio interference in which case the user may be required to take adequate measures.
- The electromagnetic emissions of the devices are below the standardized limit values for interferences. However we cannot guarantee a complete protection against disturbance of radio and TV reception, if the devices are applied in business- and living areas in a distance of less than 33 ft from the receiving aerial.
- Installation and maintenance should be carried out by EMC-skilled personnel.
- Special hints concerning the cabling
 - USB-, PS/2-, parallel and drawer cables may not exceed 10 ft. This restriction does not apply to RS232- and network cables.
 - You should always use shielded cables. Unshielded cables must have a ferrite core mounted as close to the Vectron POS unit as possible.

4. Notes on safety

When operating your Vectron POS system please follow these instructions:

- Only by means of proper positioning and maintenance, as well as proprietary operation according to the reference instructions, the safety and health of individuals and of animals and property, will not be endangered.
- Improper installation, maintenance, or operation may result in injury to the user and damage to the devices.
- Maintenance and repair of the Vectron POS system is to be carried out only by trained personnel, certified by the manufacturer.
- The Vectron POS system has been manufactured to the highest possible standards. However, we cannot guarantee that the delivered components, their constituent parts and the documentation are, and will remain, free of faults.
- The manufacturer does not accept liability in case of improper installation and maintenance and improper operation of the Vectron POS system.

5. Instructions for use

Please follow these instructions:

- Only operate the POS system with the dealer installed peripherals.
- Do not insert any foreign objects into any openings on the devices.
- The power supply Vectron PS30 must be plugged into a properly grounded outlet.
- The POS system may not be exposed to direct sunlight. Ensure there is sufficient airflow around the device to allow for adequate cooling.
- Protect the POS system from dust and humidity.
- Protect the POS system from improper voltages.
- Clean only with a damp cloth using a mild cleanser.
- Before opening the housing of the Vectron POS system, unplug it from the outlet.
- Keep the packaging material for dispatch purposes.

In case of service please contact your Vectron dealer. When sending the device for repair always use the original packing. For damages due to improper packing the manufacturer does not accept liability.

6. Disposal

The manufacturer assumes a unilateral obligation to take back waste electric and electronic equipment that has been used for commercial purposes, consistent with Art. 9 of European Union Directive 2002/96/EC, last changed by European Union Directive 2003/108/EC. It applies:

- The manufacturer takes back waste electric and electronic equipment that was produced by or on behalf of the company and guarantees a proper recycling of this equipment.
- The legal obligation applies for devices, that will be put on the market after August 13, 2005. In addition, the manufacturer extends this obligation to all devices that have been put on the market as of January 1, 2004.
- Please hand over any waste electric or electronic equipment and any accessories or peripherals that you do not require or that cannot be used anymore to your Vectron dealer. Or send it back to the manufacturer directly, prepaid and marked „Waste electric and electronic equipment“.



7. Vectron POS SteelTouch

In this chapter you get numerous technical information about Vectron POS SteelTouch. You are also informed on accessories available for this POS system. For additional hardware features and equipment options please see chapter 8.

The Vectron POS SteelTouch distinguishes itself by a number of technical features and functions. The 64-bit-technology and the battery buffered RAM accelerate data access, guarantee fast processing and avoid data loss in case of a power failure. Furthermore, Vectron POS SteelTouch boasts a high-quality and robust metal-/special steel housing.

7.1. Shipment

Standard delivery of the Vectron POS SteelTouch comprises:

- One Vectron POS SteelTouch, equipment as per order, stand made of powder-coated aluminium
- External Power supply Vectron PS30
- National mains plug
- Operator lock as per order
- User manual
- Dispatch box
- Software licence as per order

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Note

Vectron POS SteelTouch is available with different equipment. Please check the correct delivery on receipt. In case of incorrect delivery please contact your Vectron dealer.

Your dealer will supply the system and install it. You may then start working immediately.

7.2. The POS system and its components

Vectron POS SteelTouch is available with different equipment. They all have in common:

- Splash-proof metal-/special steel housing
- TFT colour display with a resolution of 1024 x 768 pixels, 38.1 cm (15 inch) screen diagonal and 256 colours
- Touch-sensitive display, so-called touch screen
- Numerous ports at the bottom (see chapter 8.1)

Optionally available is the following equipment:

- Stand made of high-quality special steel
- Integrable customer display, two lines each with 20 alphanumeric characters
- Cover for the ports



Fig. 1: Vectron POS SteelTouch with aluminium stand



Fig. 2: Vectron POS SteelTouch with customer display and special steel stand (similar to photo)

7.3. Using the touch screen

Your Vectron POS SteelTouch is operated via the touch display. The screen layout can be designed according to your demands. In this layout you can create elements for the respective functions, which considerably facilitate data input. You simply touch the respective button, for instance to book a PLU.



Attention!

Only touch the screen with fingers or with the Vectron Touchpen.

The use of pens, pencils or other sharp objects may damage the device.

No liability is accepted for such damages!

7.4. Accessories

The Vectron POS SteelTouch can be varied manifold. Thus, numerous accessories are available for this POS system:

- Integrable customer display (see fig. 3)
- Special steel stand (see chapter 7.4.2)
- Lock systems (see chapter 8.2)
- SRAM expansion (see chapter 8.3)

7.4.1. Integrable customer display

You can equip or retrofit Vectron POS SteelTouch with a customer display that is mounted at the housing.



Fig. 3: Vectron POS SteelTouch with mounted customer display

7.4.2. Stand

The stand of Vectron POS SteelTouch is made of powder-coated aluminium or optionally made of special steel; it is ergonomically shaped and very stable. Being steplessly adjustable, the viewing angle can easily be adapted to the individual requirements of every user. The design of the stand allows integrating the external power supply and cables invisibly from the outside.



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Fig. 4: Vectron POS SteelTouch with aluminium stand and ,Dallas iButton Standard' lock

VECTRON POS STEELTOUCH



Fig. 5: Vectron POS SteelTouch with customer display, special steel stand (similar to photo) and ‚Dallas iButton Standard‘ lock

7.5. Additional information

In chapter 8 you find additional information concerning hardware features and optional equipment for Vectron POS SteelTouch.

Chapters 9 and 10 describe how to start and operate Vectron POS SteelTouch.

7.6. Technical data Vectron POS SteelTouch

7.6.1. Hardware

Display	38.1 cm (15 inch) colour-TFT display with 1024 x 768 pixels, 256 colours
Touch	resistive-analogue 5-wire full touch operation
Customer display	optionally integrated customer display and connection for external customer displays
Memory	2 MB RAM (battery-buffered), expandable to 4, 6 or 10 MB
	8 MB Flash memory for system software, 1 GB expansion optional
Ports	one port for ext. operator lock
	six serial ports for printers, scanners, card terminals, dispensing systems etc.
	two USB ports (Host & Function)
	one PS/2 port for connection of a PC-keyboard
	10/100BaseT Ethernet port for network operation
	two ports for up to four cash drawers (per adapter) with „Open Sensor“
	one port for power supply via external power pack Vectron PS30
Locks	alternatively ‚Dallas iButton Standard‘, ‚Dallas iButton Magnet‘ or ‚Addimat‘ operator locks
Operating temperature	0 40°C
Storage temperature	-10 +50°C
Certified	CE

7.6.2. Software

Technical data and features	100.000 PLUs*
	65.535 departments*
	1.000 operators*
	65.535 guest checks / customers*
	200 cash registers per network*
	100 printers per network*

*) The indicated values are maximum values, which can only be achieved with special programming and optimum hardware equipment. Please contact your Vectron dealer to assist you with your special requirements.

7.6.3. Dimensions

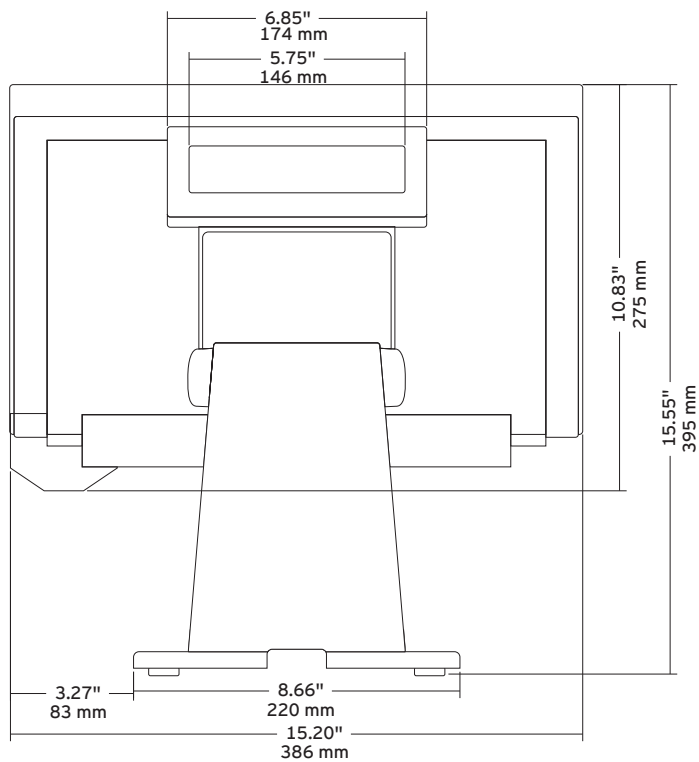


Fig. 6: Rear view

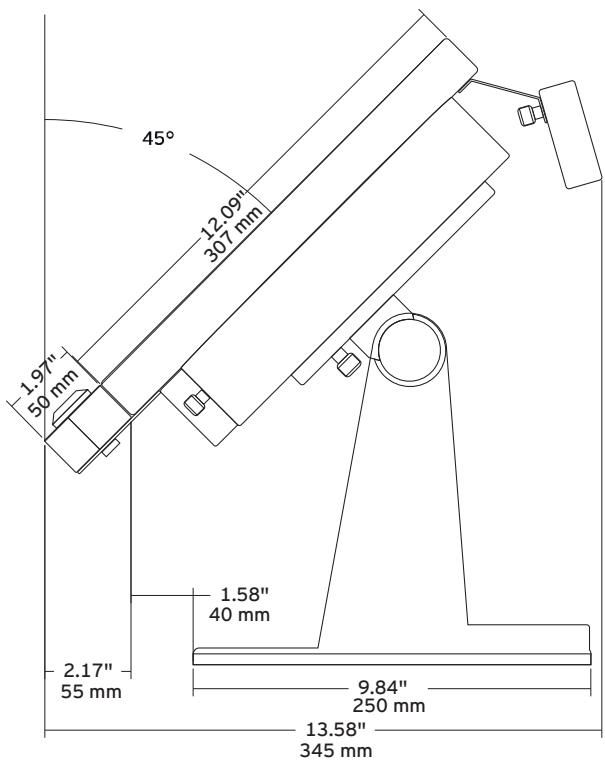


Fig. 7: Side view

7.6.4. Weight

Approx. 10 kg (incl. aluminium stand and power supply, without customer display).

8. General hardware features

In this chapter you get additional technical information concerning the hardware used in Vectron POS SteelTouch.

8.1. Ports

At the bottom of Vectron POS SteelTouch there are numerous ports, via which external devices can be connected to the POS system (see fig. 8).

- One port (3,5 mm jack) for external operator lock.
- Six serial ports (RS232) for the connection of e.g. customer displays, scanners, magnetic card readers, printers, operator locks, modems etc.
One of these ports allows to connect the Vectron POS SteelTouch to a PC. This connection allows for instance a software-update of the POS system. Entries can be read out and processed.
- Two USB ports for updates and backup on USB sticks.
- One PS/2 port for connection of one PC-keyboard.
- One network port (10/100 MBit) to establish an extensive network with up to 200 Vectron POS systems.
- Two ports for cash drawers. Per adapter a whole of four cash drawers (two per port) can be connected and addressed.
- One power supply for Vectron POS SteelTouch via external power pack Vectron PS30.

All ports are mounted on-board of the Vectron POS SteelTouch.

VECTRON POS STEELTOUCH

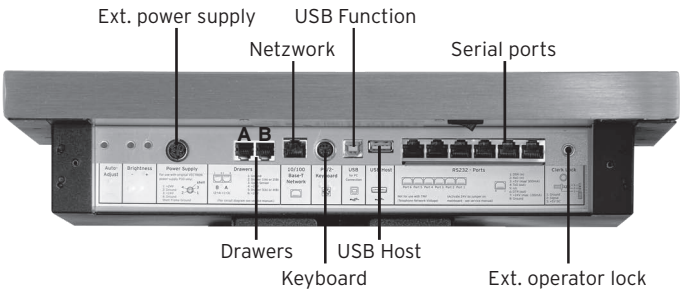
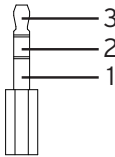


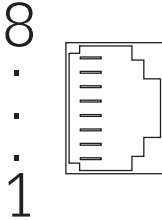
Fig. 8: Ports of Vectron POS SteelTouch

The basic licence releases all ports.

Ports for external operator lock

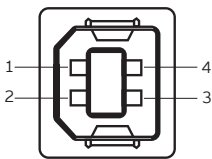
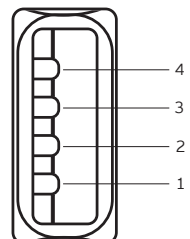
	PIN	Assignment
	1	GND
	2	Signal
	3	+ 5 V DC

Serial ports

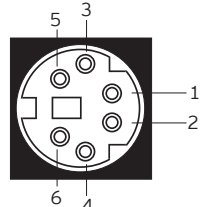
	PIN	Assignment
	1	DSR (in)
	2	RxD (in)
	3	+ 5 V (max. 500 mA)
	4	TxD (out)
	5	n/c
	6	DTR (out)
	7	+ 24 V (max. 100 mA)*
	8	GND

*) This voltage must be activated manually.
Please contact your Vectron dealer.

USB ports

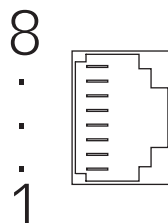
		PIN	Assignment
 <p>1 2 3 4</p> <p>USB-Function</p>	 <p>4 3 2 1</p> <p>USB-Host</p>	1	VBUS
		2	D-
		3	D+
		4	GND

PS/2 port (PC-keyboard)

	PIN	Assignment
 <p>5 3 1 2 6 4</p>	1	KeyData
	2	MouseData
	3	GND
	4	5V
	5	KeyClock
	6	MouseClock

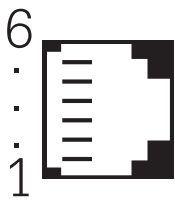
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10/100BaseT Network port

	PIN	Assignment
 <p>8 . . . 1</p>	1	TD+
	2	TD-
	3	RD+
	4	n/c
	5	n/c
	6	RD-
	7	n/c
	8	n/c

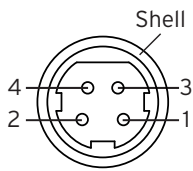
VECTRON POS STEELTOUCH

Ports for drawers



PIN	Assignment A	Assignment B
1	GND	GND
2	Drawer 1	Drawer 2
3	Open Sensor	Open Sensor
4	+ 24 V	+ 24 V
5	Drawer 3	Drawer 4
6	+ 24 V	+ 24 V

External power supply



PIN	Assignment
1	+ 24 V
2	GND
3	+ 24 V
4	GND
Shell	Frame GND

Please note:



Attention!





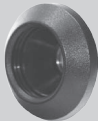

Please use exclusively the supplied Vectron PS30 for power supply of the Vectron POS SteelTouch.

Using other power supplies may damage or destroy the PSO system.

For theses damages no liability is assumed!

8.2. Lock systems

The Vectron POS SteelTouch can be combined with various lock systems. Overview:

Lock	Figure	Key	Features
Dallas iButton Standard		 52 x 20 x 8 mm, 5 g	<ul style="list-style-type: none"> • Easy handling • Key available with memory • Available in different colours
Dallas iButton Magnet		 54 x 21 x 8 mm, 9 g	<ul style="list-style-type: none"> • Easy handling • Magnetic • Key available with memory • Operator sign out by key removal • Available in different colours
Addimat		 56 x 10 mm, 6 g	<ul style="list-style-type: none"> • Robust and long-lived • Magnetic • Operator sign out by key removal

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For additional information on these lock systems and their application please contact your Vectron dealer.

8.3. SRAM-expansion

Standard RAM equipment of the Vectron POS SteelTouch is two megabyte of data memory. In order to upgrade the data memory, three memory expansions are available: 2MB, 4MB and 8MB.

The data memory stores all customer-specific data. With a memory expansion, a considerable higher number of bookings can be processed.

Please ask your Vectron dealer whether a memory expansion will be useful for you.

8.4. Peripherals

The numerous ports of Vectron POS SteelTouch have already been described (see chapter 8.1). They allow the connection of numerous peripherals. These are external customer displays, printers, magnetic card readers, scanners, operator locks, modems etc.

Please contact your Vectron dealer if you want to connect peripherals to your Vectron POS SteelTouch. He will provide you with detailed information on peripherals and will assist you with installation and configuration.

9. Starting

Place the Vectron POS SteelTouch on a stable and even surface. The set-up area must guarantee that the cash register is protected from bad influences such as high or low temperatures, high air humidity or splash. Please refer to the technical data for all relevant data concerning the set-up area.

The power connection of the Vectron POS SteelTouch is at the bottom. First connect the external power pack Vectron PS30. Then connect the external power pack to the power supply network.



Attention!

Please note:

Please use exclusively the delivered Vectron PS30 for the power supply of your Vectron POS SteelTouch.

Other power supplies may damage or destroy the POS system.

No liability is accepted for such damages!

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The mains switch of the Vectron POS SteelTouch is at the rear of the display housing, at the bottom left. Use the switch to start the POS system.

The display is now illuminated and the POS system carries out a self test where various values are indicated, e.g. hardware version, software version, series number and available memory.

10. Operating the POS system

This chapter gives an overview on the functions of your Vectron POS SteelTouch and an introduction into the basic operating procedures. Your Vectron dealer has programmed your POS system to meet your operating requirements. Some of your operating procedures may therefore differ from those described in this manual. Your Vectron dealer will fully explain the functions installed for you.



Notes

The following operating instructions of the POS system use the term „key“. Vectron POS SteelTouch allows using a touch screen. „Key“ therefore refers to the corresponding buttons of the touch screen.

Depending on the programming of the POS system the buttons on the touch screen display their functions mainly by small pictographs, so-called icons. The icons contained in the Vectron POS software and their meaning are explained in the supplement.

10.1. Sign in and -out at the POS system


Before the operator can make any entries he has to sign in at the POS system. Thus you can verify at any time which operator has made which entries. Different users can be vested with different authorizations, e.g. void.

There are different ways for sign in and out at the Vectron POS System.

10.1.1. Sign in with operator key


You sign in to the Vectron POS SteelTouch by approaching the operator key to the lock at the POS system. If an additional secret number has been programmed, enter this number and confirm with <Enter>.

10.1.2. Sign in without operator key

Sign in without key is possible in case you have been assigned a operator number and the sign in by key is not compulsory. Enter this operator number and press the <Operator> key or . If required, enter your secret number and confirm with <Enter>.

10.1.3. Sign out

For sign out there are also several possibilities:

- by removal of the operator key
- by holding the key to the lock again
- by closing the receipt
- by pressing the <Operator> key or 

10.2. Guest checks and hold buffers


Guest checks and hold buffers serve to store several invoices simultaneously. This function is often required in restaurants, to store the goods consumed for each guest check.

In retail, too, it can be useful to store several invoices simultaneously, if for instance in a bakery there is only one cash register for several operators. In a supermarket, if a customer forgot his wallet in his car, the entire sale can be stored temporarily in a “hold-buffer” so that other customers can be serviced until the customer returns with his wallet.

10.2.1. Starting a new guest check



In order to make entries to a GC open the GC by entering the number and press the <GC> key or .

10.2.2. Close and re-open a GC

By pressing the <GC> key or  the guest check is closed. Depending on the programming, the order is now printed on different printers, e.g. at the counter or in the kitchen. The POS system is now open for other orders.

If you want to open the GC again, e.g. to enter additional orders, you only have to open the GC again (see above).

10.2.3. Paying a guest check



To finalize a GC, open it again (see above). The balance is displayed. If you now press <Cash> or  or any other media key, the invoice is printed and all PLUs are deleted from the GC. Before pressing the <Cash> key or  you can enter the amount you got from the customer and the change is displayed.



Depending on the programming of your POS system, there are several other possibilities. For instance you can first print a subtotal invoice and then print the total invoice after the guest decided on the mode of payment.

10.2.4. Guest check split

It may often be necessary to split the guest check, if for instance one guest wants to leave earlier than the others. For these cases you have the function "G.C. Split". This function is only available for operators who have been vested with the according authorization.




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To split a G.C. it must be opened again. If necessary close the GC and open it again. Press the <GC split> key or . Select the PLUs to be split via the direct PLU keys or via PLU numbers. Having selected all PLUs close with <Cash> or  or any other media. The invoice is printed.


It may also happen that a guest changes the table. You can then split PLUs from one GC to another. Proceed as described above but before pressing the <GC split> key or  enter the number of the GC, to which the PLUs are to be transferred. Close with <GC> key or .

10.2.5. Guest check move

Rather than splitting single PLUs from one check to another, “Check Move” allows the entire check to be moved to another guest check. The operators must be vested with the according authorization. Proceed as follows:

- Open the GC to be moved. If the gC has already been opened, close it with <GC> or  and open it again via GC no. and <GC> key or . GC moves can only be carried out if the GC is opened anew.
- Enter the target guest check number and close with <GC move> or . The guest check that has been moved is automatically closed.

10.2.6. Shift change

Shift change means that a guest check is transferred to another operator (e.g. change of shift). Open the guest check that is to be transferred. Enter the number of the operator to whom the guest check is to be transferred and press <Shift change> or .

10.2.7. Hold buffers

To open a hold buffer press the respective key. By means of the hold buffer keys you can switch between the individual hold buffers. To close a hold buffer press a media key.

Depending on the programming of the POS system a hold buffer is automatically assigned to a certain operator. In this case the hold buffer change is automatically carried out if a new operator signs in.

10.3. Reports

The Vectron POS System offers numerous possibilities to combine the bookings of a certain period or operator in a report. You can select all reports via the <Mode> key or <M> or via special keys and print them afterwards.

It is also possible to read reports by means of the PC program Vectron Commander and to process them on the computer.



Note

It depends on the programming and on the operators' authorization which reports can be called. Please contact your Vectron dealer.

When pressing the <Mode> or <M> key you can select between „X-reports“ and „Z-reports“.

X-reports

„X-reports“ are interim reports, the memory is not deleted. All data is kept for further reading and processing.

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Z-reports

„Z-reports“ are final reports, the memory is reset to zero and the report cannot be restored!

After choosing either an X-report or a Z-report, you may decide which report is to be printed. The following are short descriptions of some of the most common reports:

Operators

An overview of the financial data for each operator.

Operator (single)

Here you can display and print out the financial data of a single operator.

Operator invoices

Shows the invoices that were created by one or several operators in the reporting period.

- An X-report creates a subtotal invoice with the guest check still open for service
- A Z-report creates a final invoice and closes the guest check

Open GCs

Lists all guest checks that have not yet been paid.

Invoices

Shows all invoices that were created in the reporting period.

- An X-report creates a subtotal invoice with the guest check still open for service
- A Z-report creates a final invoice and closes the guest check

Hourly report

Indicates the turnover per hour.

Transactions

Gives an overview of the financial data, including turnover, taxes and cash in drawer totals.

Departments, PLUs, Main groups

Classifies the financial data according to departments, PLUs or main groups.

Journal

Records all actions carried out on the POS system (programming and financial data) since the last Z-report.

In case of transactions, operators, operators (single), departments, PLUs, main groups and hourly report you can choose between different report levels. For instance there may be a level for daily reports and another level for weekly reports. At the end of a day you can print Z-reports of

level 1, at the end of a week you can print those of level 2. For some reports you may also select an evaluation range and print the report only for selected PLUs.

Due to the amount of data, the printing of invoices, operator reports and journals may take quite some time.

10.4. Input and output

10.4.1. Input of amounts

Amounts are generally entered to the POS system with two decimals. The dot can be omitted. For ten Euro enter „1000“ or „10.00“ , for 3.95 EUR enter „395“ or „3.95“.

10.4.2. Screen windows

Depending on the programming different windows are available on the screen. The most important will be explained here. By means of the key <go to window> you can switch between the individual windows or select new ones.

Overview on open GCs / open hold buffers

Displays all those GCs and hold buffers which have been opened by the currently signed-in operator. It also shows the total sales for each GC or hold buffer.

Receipt window

Displays the current receipt or invoice.

Info window

Displays the last entry or information on current actions such as “Void” or “GC split”.

Input window

Here you enter amounts or PLU numbers.

GC window

Displays all PLUs of the currently opened GC that have not yet been paid.

10.5. Making a sale

The usual procedure is as follows:

- Enter PLUs or prices
- The sale is invoiced and passed to the customer
- The customer pays

The details of each of these steps are explained in the following. A operator must be signed-in (see above).

10.5.1. Input of PLUs

There are different ways to enter PLUs:

- Enter the PLU number, followed by the <PLU> key or ^{PLU}
- Press the direct PLU-key (e.g. <Small Coke>)
- Scan the bar code of the PLU




10.5.2. Free price input


When you enter a PLU (see above), it will sell for its preset price. You may also enter a different price, e.g. for goods with small faults that you want to sell cheaper.

Free price input can be locked at your POS system or only be possible for selected operators.

To carry out free price input, enter a price and select the corresponding PLU or department. Before selecting PLU or department you may have to press the <Price> key.

10.5.3. Payment

The GC is closed after all PLUs have been entered and the customer wants to pay. The signed-in operator can press the <Subtotal> key or  to see the subtotal. The sum is displayed and can be told to the customer. Enter the amount you get from the customer and press <Cash> or . The change is displayed and the receipt is printed. If the customer pays the exact amount you can directly depress <Cash> or  without entering an amount.

If the customer does not pay cash press the respective media key, e.g. <EC> oder <Visa> instead of <Cash> or .

10.6. Void and merchandise return

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Void and merchandise return are similar functions.

Void serves to cancel entries.

Merchandise return is a negative account where goods are taken back and money is paid out or deducted from the open balance.





Note

Void or merchandise return is only possible if the operator has been vested with the required authorization. The authorization for every operator has to be elaborated and configured together with your Vectron dealer (see chapter 12.8).

10.6.1.Void last entry

Pressing the <Void LE> key or  deletes the last entered PLU.

10.6.2. Void

If you want to delete another PLU, press the <Void> key or , and select the PLU to be deleted via direct PLU key or PLU number (see above). If you want to delete additional PLUs, press the <Void> key or  again.

10.6.3. Merchandise return

For merchandise return it is decisive whether entries to a GC are made or not. When working in a guest check, it is only possible to return those PLUs that have previously been sold on this guest check. When working in a cash sale, you may return any PLUs.

To carry out a merchandise return press the <Merchandise Return> key. The further procedure is identical with "Void".

10.7. Change invoice format

Your dealer has adapted the invoice format according to your requests. It may sometimes be necessary to change the format, e.g. to print a receipt for entertainment expenses. In this case press the <Change invoice format> key before closing the invoice.

10.8. Access rights

In order to avoid improper changes in the programming of the POS system you can assign different access rights to the various functions and program sections. Protection can be effected by key, by password and by unambiguous access restriction and can be assigned individually for each operator.

Unauthorized access can have e.g. the following effects during operation:

- manipulations with financial damage for the owner
- undesired behaviour in programming mode
- data loss
- illegal behaviour of the POS system

Please contact your Vectron dealer who will inform you about the useful and required security measures for your POS system. He will configure the POS system accordingly to protect the programming from unauthorized access.

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Attention!

Please note:

In this context we explicitly point out that every taxpayer himself is responsible for a correct accounting. For more information please contact the local fiscal authorities or a tax adviser. Vectron Systems AG as producer and the sales partners dealing with our products are not entitled to act as someone's adviser.

10.9. Final remark

We hope that we were able to give you some helpful information about your Vectron POS system. Due to the numerous programming possibilities, the description had to be quite general and the information restricted to the main functions. Your Vectron dealer will gladly answer any of your questions.

Please visit our Internet site (www.vectron.de). Here you get additional information and you can send us your questions by e-mail if necessary.

11. Service and maintenance

Vectron POS SteelTouch does not contain any components that can be serviced by the user. Please leave all maintenance and service to your Vectron dealer.



Attention!

Do not carry out any maintenance or service on your own. Only authorized service staff may open the housing.

Unauthorized manipulations at the power supply Vectron PS30 can be extremely dangerous and lead to a loss of guarantee and liability claims.

11.1. Cleaning the housing

To clean the housing of your Vectron POS SteelTouch please use a dry, fluff-free cloth. You can also use a vacuum cleaner with a small nozzle.

In case of strong contamination you can wipe the housing carefully with a damp cloth that is soaked with a mild cleaner.

11.2. Cleaning the display

To clean the display please use a clean, soft cloth, soaked with isopropyl alcohol if necessary.



Attention!

Disconnect the POS system from the power supply before cleaning!

In no case you should use a scouring agent or agents containing solvents or acids!

11.3. Screen saver

Vectron POS SteelTouch has a high-quality liquid crystal display with background lighting. The tubes of the background lighting have a service life of 45,000 to 50,000 hours.

This service life is considerably reduced by a frequent switch on and off. An activated screen saver starts the switch on and off; the interval for the activation of the screen saver should therefore not be too short.

Yet, if the interval is very long, the displayed elements could burn in the LCD screen. This means that you can hardly recognize the elements and operate them in case of touch screens.

To avoid these problems we recommend activating the screen saver after approximately 30 minutes.

Please ask your Vectron dealer to check the interval of the screen saver and adjust it to 30 minutes if necessary.

11.4. Adjustment of brightness

To adjust the brightness of the operator display perfectly to the ambient conditions you find two keys at the bottom of Vectron POS SteelTouch, next to the ports. The keys are marked „Brightness +“ and „Brightness -“.



Fig. 9: Keys for brightness and Auto-Adjust

These keys adjust the brightness of the operator display in nine steps. The adjusted brightness of Vectron POS Steel-Touch is kept when switching off the POS system and when using the ‚Auto-Adjust‘ function (see chapter 11.5).

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11.5. Auto-Adjust

In exceptional cases it may happen that the position of the screen display or the display quality deteriorate considerably. To bring the display back to normal setting without switching off and on again the Vectron POS SteelTouch, please press the ‚Auto-Adjust‘ key, which is next to the brightness keys (see fig. 7).



Attention!

If the display quality cannot be improved by pressing the ‚Auto-Adjust‘ key, a new calibration of the screen is required. In this case please contact your Vectron dealer.

12. Additional Vectron products

Here we would like to inform you about additional Vectron products, which perfectly complete the Vectron POS SteelTouch.

12.1. Vectron POS Modular

Vectron POS Modular offers manifold applications. It is not only suitable as single station system but is also recommended as central server in ECR networks. Thanks to numerous peripherals it can be adjusted to any surroundings and remains state of the art. POS Modular and stationary 64-Bit POS systems are based on the same hard- and software. The two product lines complete each other perfectly when installing a local Client/Server system.

12.2. Stationary Vectron POS systems

Complete stationary POS systems in addition to Vectron POS SteelTouch are the POS ColorTouch, POS Mini and POS Vario. They have integrated colour displays and keyboards (exception: POS ColorTouch, which is operated via touch screen). They are particularly suitable for use as single station system and are based on the same fast and reliable 64-Bit Hardware as POS SteelTouch. The two stationary product lines complete each other perfectly when installing a local Client/Server system.

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12.3. Vectron POS MobilePro

Vectron POS MobilePro is one mobile variant of Vectron POS systems. It is also based on 64-Bit hardware and also uses the proven Vectron POS software. This makes stationary, modular and mobile Vectron POS systems completely compatible.

12.4. Vectron POS MobileXL

Vectron POS MobileXL is the „big sister“ of Vectron POS MobilePro. If you want to do without a keyboard in favour of a larger display this mobile system will provide the perfect solution.

The chart below shows the most important features of stationary, modular and mobile systems.

	Vectron POS System					
	Modu- lar	Color- Touch	Mini	Vario	Mobile- Pro	Mobi- leXL
Colour display	●	●	●	●	●	●
Touch screen	●	●	●	●	●	●
Int. customer display	○	●	●	●	○	○
64-Bit Processor	●	●	●	●	●	●
SRAM, extendable	2 MB, ●	2 MB, ●	2 MB, ●	2 MB, ●	4 MB, ●	2 MB, ●
DRAM	64 MB	64 MB	64 MB	64 MB	64 MB	64 MB
FlashROM	8 MB	8 MB	8 MB	8 MB	8 MB	1 GB
Network	Ether- net LAN	Ether- net LAN	Ether- net LAN	Ether- net LAN	WLAN	WLAN

	Vectron POS System					
	Modu- lar	Color- Touch	Mini	Vario	Mobile- Pro	Mobi- leXL
Ports						
• serial	6	6	6 ●	6	○	4 ²⁾
• parallel	1	1	1 ●	1	○	○ ²⁾
• USB	2	2	2	2	○	3 ²⁾
• cash drawers	2	2	2	2	○	1 ²⁾
• PS/2	1	1	1	1	○	○ ²⁾
• Bluetooth	○	○	○	○	●	● ²⁾
Transponder	○	○	○	○	●	●
Int. card reader	○	○	○	○	●	●
Power manage- ment	○	○	○	○	●	●
Operator lock	●	●	●	●	● ¹⁾	● ¹⁾

● = standard equipment, ● = optional, ○ = not available

¹⁾ to be realized per transponder reader

²⁾ only usable when inserted in charging-/docking station

For further information on Vectron POS systems please refer to the Internet under www.vectron.de.

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12.5. Vectron POS PC

Vectron POS PC runs the Vectron POS software on your PC. Prerequisite is a PC with Microsoft® Windows® operating system. The advantage of Vectron POS PC is that you can use the Vectron POS software simultaneously with E-Mail-, office- and stock control applications. This allows data exchange within seconds.

For further information on Vectron POS PC please refer to the Internet under www.vectron.de.

12.6. Vectron Commander

The Vectron Commander is a communication- and evaluation software for PCs with Microsoft® Windows® operating system. A connection to the Vectron POS system enables the Vectron Commander to poll and evaluate the cash register data. You are informed on sales-, order- or working time data etc.

For further information on the Vectron Commander please refer to the Internet under www.vectron.de.

13. EU-declaration of conformity

Manufacturer	Vectron Systems AG Willy-Brandt-Weg 41 48155 Münster - Germany
Device type	Electronic cash register
Type designation	Vectron POS SteelTouch

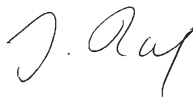
The manufacturer declares that the above designated product complies with the fundamental standards of guideline 89 / 336 / EEC and 2006 / 95 / EEC when used as directed.

Applied standards:

- Electromagnetic compatibility
 - EN55022 (2006) + A1 (2007)
 - EN55024 (1998) + A1, A2
 - EN61000-3-2 (2006) Harmonics
 - EN61000-3-3 (1995 + A1, A2) Flicker
- Safety (Low voltage RL)
 - EN60950-1 (2006)

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Münster, 2 February 2009

A handwritten signature in black ink, appearing to read "J. Reckendorf".

Jens Reckendorf
Member of the Board

A handwritten signature in black ink, appearing to read "Thomas Stümmler".

Thomas Stümmler
Member of the Board

Supplement

Important notes for the connection of scales























- When connecting scales you have to heed the respective national regulations. Within the EU it applies: You require a test certificate for the respective combination of Vectron POS System, software and scales. The conditions mentioned therein must be fulfilled.
- Check of certified software
Proceed as follows to check that the Vectron POS system runs the correct software:
 - Switch off the POS system.
 - Touch the screen and keep it touched.
 - Switch on the POS system.
 - Touch the screen until „Starting drivers ...“ and then „Calibration is cleared in n seconds“ is displayed.
 - Touch the „Module inform.“ button.

„Scale generic protocol 02/04 Version 1.01a“ must be displayed (see below).

Module information		✓
Module	Version	⌕
Scale generic protocol 02/04	1.01a	▲
Scale TOWA protocol, Cmd Mode	1.00a	▼
		⌕
⏮ ⏪		⏩ ⏭

























Pictographs

The Vectron POS software as of version 4 has installed a set of icons, which can be used in registration mode. The chart below lists the available icons.

Icon	Meaning	Icon	Meaning
	Clear		Seat number
	Escape		PLU
	Take away		Invoice
	Cancel receipt		Load invoice
	Receipt copy		Recall invoice
	Guest count		Invoice copy
	Inhouse		Seat split
	No invoice		Void
	Operator		Void last entry
	Manager function only		GC
	Open GC/Operator		GC 0

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VECTRON POS STEELTOUCH

Icon	Meaning	Icon	Meaning
	GC split		Side dishes
	Shift change		Beer
	GC move		Icecream
	Table map		Fish
	Enter GC text		Meat
	X-report		Drinks
	Z-report		Main courses
	Temp. invoice		Dessert
	Subtotal		Pizza
	Cash		Spirits
	Cold drinks		Starters
	Hot drinks		Wine

The Vectron POS software can also use self-created or edited icons of a second icon set. You can either display these icons on buttons or link them to a PLU.

These icons must be edited and brought to a defined format. Please ask your local dealer if you want to create and use your own icons.

Glossary

Term	Defintion
Barcode	Code on a merchandise that consists of vertical bars
Cash drawer	Drawer in which cash is kept, connectable to a cash register system.
CE	Duty for marking all devices, manufactured in or imported into the EU, verifying conformity with EU standards and regulations.
CSTN	C olor S uper- T wist N ematic. LCD technique, where pixels are addressed by transistors, which can address a whole line or column.
Ethernet	A standardized network protocol, used for interconnecting computers and networks.
Flash-ROM	In contrast to ROM, Flash-ROM is a recordable memory type. Here, the ECR software of Vectron POS systems is stored.
Hardware	Physical components of a computer and its peripherals.
LCD	L iquid C rystal D isplay; a layer of liquid chrystals is given in between two foils. When a voltage passes through these chrystals, they change the angle of optical refraction.
Network	Group of computers that are connected via different lines and share common resources like data and peripherals.
Operator lock	For sign in and out of the operators.
Parallel port	Port that allows simultaneous data transmission on eight lines.
Pixel	Smallest element of a digital image with defined coordinates, regarding location and colour.
Port	Connection between computers or computers and peripherals.

Term	Definition
POS	P oint O f S ale.
PS/2	PC-System developed by IBM with independent ports, which are also used on other platforms.
RAM	R andom A ccess M emory, every storage cell of which can be accessed at will. RAM modules are volatile memory modules. They lose their contents, if no voltage is applied. see also SRAM.
Screen saver	Serves for protection of screens. After an adjustable period of system inactivity, the display either permanently changes or the screen is switched off. The screen saver is stopped as soon you touch an input device (keyboard, touch screen).
Serial port	Port, which transfers data bit by bit.
Software	Heading for every type of computer programs.
SRAM	Static RAM. A permanent quiescent current preserves the stored information. In switch off mode, this quiescent current is maintained by an internal battery.
TFT	T hin F ilm T ransistor. Display technique, which offers a higher contrast and a better image than customary flat screens.
Touch screen	Touch-sensitive screen with input function
Update	Loading the most current software into the respective hardware.

Document revision

Date	Modification
02.02.2009	First creation and publication
19.08.2009	Minor editorial modifications
21.12.2011	Dimensioning of drawings changed
05.01.2012	Dimensioning of drawings changed

