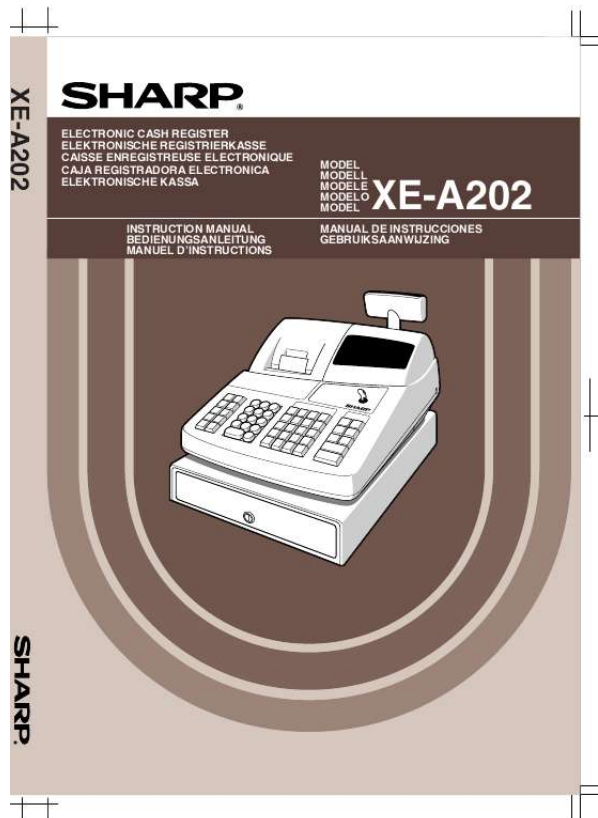




# Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for SHARP XE-A202. You'll find the answers to all your questions on the SHARP XE-A202 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

**User manual SHARP XE-A202**  
**User guide SHARP XE-A202**  
**Operating instructions SHARP XE-A202**  
**Instructions for use SHARP XE-A202**  
**Instruction manual SHARP XE-A202**



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**Manual abstract:**

*WARNING: Det matande vägguttaget skall placeras nära apparaten och vara lätt åtkomligt. LET OP: Het stopcontact dient in de buurt van de kassa en gemakkelijk toegankelijk te zijn. CAUTION: For a complete electrical disconnection pull out the mains plug. @@@@LET OP: Trek de stekker uit het stopcontact indien u de stroom geheel wilt uitschakelen. A202\_1 03.7.5 8:06 AM Page 1 Thank you very much for your purchase of the SHARP Electronic Cash Register, Model XE-A202. Please read this manual carefully before operating your machine in order to gain full understanding of functions and features. Please keep this manual for future reference. It will help you if you encounter any operational problems.*

*CAUTION! IMPORTANT · Be very careful when removing and replacing the printer cover, as the cutter mounted on it is very sharp. · Install the cash register in a location not subject to direct sunlight, unusual temperature changes, high humidity or splashing water. Installation in such locations could cause damage to the cabinet and the electronic components. · Never operate the register with wet hands. The water could seep into the interior of the register and cause component failure.*

*· When cleaning your register, use a dry, soft cloth. Never use solvents, such as benzine and/or thinner. The use of such chemicals will lead to discoloration or deterioration of the cabinet. · The register plugs into any standard wall outlet (official (nominal) voltage). Other electrical devices on the same electrical circuit could cause the register to malfunction.*

*· For protection against data loss, please install three R6 or LR6 batteries ("AA" size) after initializing the cash register. When handling the batteries, please observe the following: Incorrectly using batteries can cause them to burst or leak, possibly damaging the interior of the cash register. · Be sure that the positive (+) and negative (-) poles of each battery are facing in the proper direction for installation. · Never mix batteries of different types. · Never mix old batteries and new ones. · Never leave dead batteries in the battery compartment. · Remove the batteries if you do not plan to use the cash register for long periods. · Should a battery leak, clean out the battery compartment immediately, taking care to avoid letting the battery fluid come into direct contact with your skin. · For battery disposal, follow the corresponding law in your country. · For complete electrical disconnection, disconnect the main plug.*

*For Easy Set-up, see "GETTING STARTED" (page 7). 1 English Never install the batteries into the cash register before initializing it. Before you start operating the cash register, you must first initialize it, then install three new R6 or LR6 batteries ("AA" size) on the register. Otherwise, distorted memory contents and malfunction of the cash register will occur. For this procedure, please refer to page 8. English INTRODUCTION A202\_1 03.7.5 8:06 AM Page 2 CONTENTS INTRODUCTION ...*

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*.2 PARTS AND THEIR FUNCTIONS.....*

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*....4 1 External View .*

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*4 2 Printer .....*

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*.....4 3 Mode Switch and Mode Keys ..*

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*5 4 Keyboard .....*

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*...7 FOR THE OPERATOR BASIC SALES ENTRY .....*

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*.12 1 Basic Sales Entry Example ....*

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*....12 2 Error Warning .....*

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*...13 3 Item Entries ..*

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*.....14 Single item entries .....*

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*.....14 Repeat entries .....*

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*.15 Multiplication entries ....*

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*.17 Cash or cheque tendering ....*

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*.....17 Cash or cheque sale that does not require tender entry .*

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*.17 Credit sale .....*

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*...18 Mixed-tender sale ..*

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*....18 6 Computation of VAT (Value Added Tax)/tax .*

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*.18 VAT/tax system ....*

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*18 OPTIONAL FEATURES.....*

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*..19 1 Auxiliary Entries.....*

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*...19 Percent calculations (premium or discount) .....*

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*...19 Deduction entries.....*

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*.....20 Refund entries ....*

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*..20 Non-add code number entries and printing .....*

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*....21 2 Auxiliary Payment Treatment .....*

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*....21 Currency exchange .*

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*..21 Received-on account entries ...*

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.....22 Paid-out entries .....

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22 No sale (exchange) .....

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.....23 3 Automatic Sequence Key (a key) Entries..

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.....23 CORRECTION ...

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*...23 1 Correction of the Last Entry (direct void) ..*

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*.23 2 Correction of the Next-to-last or Earlier Entry (indirect void) .....*

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*....24 3 Subtotal Void .....*

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.....24 4 Correction of Incorrect Entries not Handled by the Direct or Indirect Void Function .

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.....24 2 A202\_1 03.7.5 8:06 AM Page 3 FOR THE MANAGER PRIOR TO PROGRAMMING ..

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.....25 BASIC FUNCTION PROGRAMMING (For Quick Start) ....

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..25 1 Date and Time Programming .....

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..25 2 Tax Programming ...

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*26 Tax rate programming .....*

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*...26 AUXILIARY FUNCTION PROGRAMMING .*

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*.27 1 Department Programming .....*

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*.27 2 PLU (Price Look-Up) and Subdepartment Programming ....*

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*....29 3 Miscellaneous Key Programming .....*

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*.....30 Rate for %, & and V ..*

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*.....30 Amount for - ..*

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....31 Percent rate limitation for % and & .....

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....31 Function parameters for %, & and - .....

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.....32 Function parameters for V ..

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...32 Function parameters for r, R, X, Y, c, b and A (when using as TL key) ..

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..33 4 Text Programming .....

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*..64 6 Removing a Paper Jam ...*  
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*.66 7 Cleaning the Printer (Print Head / Sensor / Roller) ...*

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*...67 8 Removing the Till and the Drawer .....*

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*.67 9 Opening the Drawer by Hand ....*

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.....67 10 Before Calling for Service....

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..68 Error code table .....

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....ppears when the V key is pressed to calculate a subtotal in foreign currency. Appears when a transaction is finalized by pressing the A, X, Y, c or b key.  
Appears when the change due amount is displayed. : Appears in the far-left three positions at the timing of key entry when the electronic journal (EJ) memory is full. (Depending on programming.) Appears when the voltage of the installed batteries is under the required level.  
You must replace with new ones within two days. Refer to page 64 for details. Appears when the batteries are not installed, or the installed batteries are dead.  
You must replace with new ones immediately. Refer to page 64 for details.  
May appear right below the eighth and ninth places at the timing of finalization of a transaction when the electronic journal (EJ) memory is nearly full. Also appears right below the tenth place when power save mode is effective. : Appears when programmed date (and time) for EURO modification operation is come. Appears when the print roller arm is not locked. : Appears when the paper is not set or out.  
: : : 6 Drawer Lock Key This key locks and unlocks the drawer. To lock it, turn 90 degrees counterclockwise. To unlock it, turn 90 degrees clockwise. SK1-16 A202\_1 03.7.5 8:06 AM Page 7 GETTING STARTED Please follow the procedure shown below. The batteries are not installed and the power is OFF.  
Unpack the cash register and make sure all accessories are included. For details of accessories, please refer to "Specifications" section. For installing the cash register, find a stable surface near an AC outlet where the cash register will not subject to water sources or direct sunlight, then install the register using the fixing angle bracket provided with the register.

The fixing angle bracket prevents the register from moving when the drawer opens.



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By hooking the register on the bracket, you can secure the register to the position. Follow the procedure shown below for the installation. How to install the fixing angle bracket 1. Thoroughly clean the location where the fixing angle bracket (B) is to be placed. 2. Peel off the adhesive tape on the fixing angle bracket. 3. Hook the angle bracket onto the hook (A) that is located at the bottom rear of the register. 4.

Firmly stick the fixing angle bracket to the table surface that you cleaned above. B A How to remove the register from the fixing angle bracket 1. Lift up the front of the register and pull the register towards you. 7 A202\_1 03.7.

5 8:06 AM Page 8 In order for the cash register to operate properly, you must initialize it before operating for the first time. Follow this procedure. 2

Initializing the cash register 1. Insert the manager (MA) key into the mode switch and turn it to the REG position. OPX/Z REG MGR X1/Z1 X2/Z2 2.

Insert the plug of the AC power cord into the AC outlet. The buzzer will sound three times. **IMPORTANT:** This operation must be performed without batteries installed. PGM 3. The cash register has now been initialized. The register display will show "0.00" with " ". If the buzzer does not sound when the plug is inserted, the initialization has not been done successfully. (This will occur when the voltage is high because you operated the cash register before starting initialization.) Wait at least one minute after pulling out the plug and insert the plug again.

Three new R6 or LR6 batteries ("AA" size) must be installed in the cash register to prevent the data and user-programmed settings from being erased from the memory, when the power cord is accidentally disconnected or in case of power failure. Once installed, the batteries will last approximately one year before needing replacement. At this time, the " " symbol will appear on the display to indicate the batteries are low and must be replaced within two days. If the no battery symbol " " appears, you must install the batteries at once. Install three new R6 or LR6 batteries ("AA" size) according to the procedure shown below with the power cord connected and the mode switch set to the REG position: 3 Installing batteries 1. Lift the rear of the printer cover and detach it. Be careful with the paper cutter, so as not to cut yourself. 2. Open the battery compartment cover next to the paper roll cradle. 3.

Install three new R6 or LR6 batteries ("AA" size) as per the diagram. When the batteries are properly installed " " on the display will disappear. 4. Close the battery compartment cover. Be sure to observe precautions shown on page 1 when handling batteries.

8 A202\_1 03.7.5 8:06 AM Page 9 4 Installing a paper roll Precaution: The paper cutter is mounted on the printer cover. Take caution when removing and installing the cover. The register can print receipts or journals.

For the printer, you must install the paper roll provided with the register, even when you program the register for not printing receipts or journals. Install the paper roll according to the procedure shown below with the AC cord connected and the mode switch set to the REG position: 1. Lift up the print roller release lever to unlock and open the print roller arm. Print roller arm Print roller release lever 2. Set a paper roll in the paper roll cradle as per the diagram. To the printer Correct To the printer Incorrect 3. Feed the end of the paper along with the paper positioning guides as per the diagram. Paper positioning guides 4. While holding down the paper, slowly close the print roller arm, and push down the arm until you hear a click locking the arm. Make sure securely you push down the center of the wing part of the arm as per the diagram.

The paper will be fed automatically. If the print roller arm is not securely locked, printing is not done right. If this problem occurs, open the arm, and close the arm as instructed above. 9 A202\_1 03.7.5 8:06 AM Page 10 5. When not using the take-up spool (using as receipt paper): · Cut off the excess paper using the edge of the inner cover, and replace the printer cover. Press the key to make sure the paper end comes out of the printer cover and clean paper appears. If the paper end does not come out, open the printer cover, and pass the paper end between the paper cutter and the paper guide of the printer cover, and replace the cover. F When using the take-up spool (using as journal paper): · Insert the end of the paper into the slit in the spool.

(Press the key to feed more paper if required.) · Wind the paper two or three turns around the spool shaft. · Set the spool on the bearing, and press the key to take up excess slack in the paper. · Replace the printer cover. F F When using a paper roll as journal paper, you must change the printing style.

Refer to "Print Format" in "Various Function Selection Programming 1" section (Job code 6) for changing the printing style. 5 Programming date, time and VAT/tax The cash register provides text languages of English, German, French and Spanish. It is preset to English. If you want to change the language, you must change it before programming. Refer to "Language selection" in "Various Function Selection Programming 2" (Job code 88) section for changing the language.

Before you can proceed with registration of sales, you must program: · date · time · VAT/tax Please refer to the BASIC FUNCTION PROGRAMMING section for details (page 25). 10 A202\_1 03.7.5 8:06 AM Page 11 While the cash register is pre-programmed so it can be used with minimal setup, it does provide you with optional functions. Before you start programming, please read through the sales operations section to understand optional functions. Decimal point position (tab) setting for domestic currency By default, "2" is selected. When your country has a different tab setting, you must change the setting. Please refer to "Other programming" of "Various Function Selection Programming 1" (Job code 61) on page 44. Rounding system When your country has a special rounding system, such as Australia, Switzerland, Norway, Sweden, Denmark and South Africa you must change the setting to suit your country. For the setting for Australia, Switzerland, Norway and South Africa please refer to "Other programming" of "Various Function Selection Programming 1" (Job code 67) on page 46.

For the setting for Sweden and Denmark, please refer to "Other programming" of "Various Function Selection Programming 1" (Job code 69) on page 47.

VAT/tax The cash register provides 6 kinds of VAT/tax. Select an appropriate VAT/tax system first, then set tax rates (up to 4 rates) and assign taxable status to departments.



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By default, VAT 1 is assigned for all departments. 6 Programming other necessary items 7 Starting sales entries Now you are ready for sales registration. 11 A202\_2 FOR THE OPERATOR 03.7.5 8:06 AM Page 12 FOR THE OPERATOR BASIC SALES ENTRY 1 Basic Sales Entry Example Listed below is a basic sales entry example when selling items by cash. For operation details, please refer to each section. Mode switch setting REG OPX/Z MGR 1. Turn the mode switch to the REG position. X1/Z1 Clerk assignment X2/Z2 2. Enter your clerk code. (For example, clerk code is 1. Press the 1 and L key PGM in this order.

) The clerk code 1 is automatically selected just after initialization of the cash register. Item entries 3. Enter the price for the first department item. (For example, for 15.00, enter 15.; and press the appropriate department key.

) For department 17 to department 32, press the D key first before pressing the department key. For department 33 and above, enter the department code using numeric keys and press the d key, then enter the price and press the d key again. 4. Repeat step 3 for all department items. Displaying subtotals 5. Press the s key to display the amount due. Finalizing the transaction 6. Enter the amount received from the customer. (You can omit this step if the amount tendered is the same as the subtotal.) 7.

Press the A key, and the change due is displayed and the drawer is opened. 8. Tear off the receipt and give it to the customer with his or her change. 9. Close the drawer. Key operation example Clerk assignment Item entries Displaying subtotal Finalizing the transaction Print 1L 1500 ! 2300 " Logo message s 4000

A (In this example, tax system is set to automatic VAT 1-4 and the tax rate is set to 6.25%.) Date/Time/Clerk code Register number /Consecutive number/Clerk name Items Price Not printed when non-taxable items only are sold. Total quantity Total amount Cash tendering/amount received Change 12 A202\_2 FOR THE OPERATOR 03.7.

5 8:06 AM Page 13 Clerk assignment Prior to any item entries, clerks must enter their clerk codes into the register. However, the code entry may not be necessary when the same clerk handles the consecutive transactions. 1 Sign-on (in REG, MGR, mode) 1 Sign-off (in REG, MGR, mode) To display the signed-on clerk code Clerk code 1 to 20 L L L Receipt ON/OFF function When you use the printer to issue receipts, you can disable receipt printing in the REG mode to save paper using the receipt ON/OFF function. To disable receipt printing, press the R key in the OP X/Z position. This key toggles the receipt printing status ON and OFF.

To check the receipt printing status, turn the mode switch to the OP X/Z position or press the l key in the REG mode. When the function is in the OFF mode, the receipt off indicator "\_ " is illuminated. The register will print reports regardless of the receipt state, so the paper roll must be installed. To issue a receipt when receipt ON/OFF function is set to OFF: If your customer wants a receipt after you finalized a transaction with the receipt ON/OFF function being OFF status, press the R key. This will produce a receipt.

However, if more than 30 items were entered, the receipt will be issued in a summary receipt. Copy receipt You can print a copy receipt by pressing the R key when the receipt ON/OFF function is in the "ON" status. To realize this function, you must enable the function. Please refer to page 45 (Job code 63). Power

Save Mode The register will enter into power save mode when no entries are performed based on the pre-programmed time limit (by default, 30 minutes). When the register goes to the power save mode, all display lights will turn off except the decimal point at the leftmost position. The register will return to the normal operation mode when any key is pressed or a mode is changed with the mode key. Please note when the register is recovered by a key entry, its key entry is invalid. After the recovery, start the key entry from the beginning. 2 Error Warning In the following examples, your register will go into an error state accompanied with a warning beep and an error symbol " " on the display.

Clear the error state by pressing the l key and take the proper action. Please refer to the error code table on page 68. · Enter over a 32-digit number (entry limit overflow): Cancel the entry and re-enter the correct number. · An error in key operation: Clear the error and continue operation. · An entry beyond a programmed amount entry limit: Check to see if the entered amount is correct. If it is correct, it can be rung up in the MGR mode. Contact your manager. · An including-tax subtotal exceeds eight digits: Delete the subtotal by pressing the l key and press the A, X, Y, c or b key to finalize the transaction. Error escape function To quit a transaction due to an error or an unforeseen event, use the error escape function as shown below: To clear the error state Transaction l E E 13 The transaction is voided (treated as a subtotal void) and the receipt is issued by this function. If you have already entered a tendered amount, the operation is finalized as a cash sale.

A202\_2 FOR THE OPERATOR 03.7.5 8:06 AM Page 14 3 Item Entries Single item entries 1. Department entries The cash register provides a maximum of 50 departments for a merchandise classification. Group attributes, such as taxable status, are applied to items when they are entered to the departments.

· When using the department keys (for department 1 to 32) For department 1 to 16, enter a unit price and press a department key. If you use a programmed unit price, press a department key only. For department 17 to 32, enter a unit price, press the D key and press a department key. If you use a programmed unit price, press the D key and press a department key. When using a programmed unit price Unit price \*1 (max.

8 digits) \*2 Department key D \*1 Less than the programmed upper limit amounts When zero is entered, only the sales quantity is added. \*2 For the departments 17 through 32, press the D key. Please note if you press the same key after using the D key, it acts as a repeat entry. For example, when you register an item of dept. 17 using the D key and then an item of dept. 1 using the preset unit price, you should use the department code entry key described below for the dept. 1 item. If you just press the ! key to register dept. 1 item, it will act as a repeat entry of dept. 17 item.

· When using the department code entry key Enter a department (dept.) code and press the d key, then enter a unit price and press the d key again. If you use a programmed unit price, enter a dept. code and press the d key. When using a programmed unit price Dept. code (1 to 50) d Unit price \*1 (max. 8 digits) \*1 Less than the programmed upper limit amounts When zero is entered, only the sales quantity is added. (In case only preset price entry is allowed.



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) d 2. PLU/subdepartment entries For another merchandise classification, the cash register provides a maximum of 1200 PLUs/subdepartments. PLUs are used to call up preset prices by a code entry. Subdepartments are used to classify merchandise into smaller groups under the departments. Every PLU and subdepartment has a code from 1 to 1200, and should belong to a department to obtain attributes of that department. By default, the cash register is preprogrammed to be able to use 1 to 200 codes, and these 200 codes are set to PLU mode and zero for unit price. To extend the number of PLU codes to 1200, please refer to "EJ memory type" on page 41, and for other PLU/subdepartment programming, refer to "PLU and Subdepartment Programming" on page 29.

14 A202\_2 FOR THE OPERATOR 03.7.5 8:06 AM Page 15 · PLU entries PLU code p p Unit price \* (max. 8 digits) · Subdepartment (open PLU) entries PLU code p \* Less than the programmed upper limit amounts When zero is entered, only the sales quantity is added. Print Key operation example 1200 ( 500 D ! Department entry PLU entry Subdepartment entry ) D" 50 d 1500 d 33 d 2pp 11 p 1200 p A Repeat entries You can use this function for entering a sale of two or more of the same items.

Consecutive pressing of a department key, d key or p key is as shown on key operation example below. Key operation example Print 1200 ( ( 500 D ! ! Department entry PLU entry Subdepartment entry ) ) D"" 50 d 1500 d d 33 d d 2pp 11 p 1200 p p A 15 A202\_2 FOR THE OPERATOR 03.7.5 8:07 AM Page 16 Multiplication entries When selling a large quantity of items, it is convenient to use the multiplication entry method. Enter quantity using numeric keys and press the @ key before starting item entry as shown in the example below. When programmed to allow fractional quantity entries, you can enter up to four integers and three digit decimal, though the quantity is counted as one for sales reports. To enter a fractional quantity, use the decimal point key between integer and decimal, as 7P5 for entering 7.5. Key operation example Print 3 @ 1200 ( 5 @ 500 D ! 3@) Department entry 5@d" 3 @ 50 d 1500 d 5 @ 33 d PLU entry 3@2p Subdepart 5 @ 11 p 1200 p ment entry A Single item cash sale (SICS) entry · This function is useful when a sale is for only one item and is for cash. This function is applicable only to those departments that have been set for SICS or to their associated PLUs or subdepartments.

· The transaction is complete and the drawer opens as soon as you press the department key, d key or p key. Key operation example Print 250 For finishing the transaction , If an entry to a department or PLU/subdepartment set for SICS follows the ones to departments or PLUs/subdepartments not set for SICS, it does not finalize and results in a normal sale. 16 A202\_2 FOR THE OPERATOR 03.7.5 8:07 AM Page 17 4 Displaying Subtotals The subtotal is displayed by pressing the s key. When you press it, the subtotal of all entries which have been made is displayed and the symbol " " will light up in the display. Subtotal will not be printed on a receipt on the current factory setting. If you want to print it, change the setting by programming. Refer to "Receipt print format" (Job code 7) on page 44. 5 Finalization of Transaction Cash or cheque tendering Press the s key to get a subtotal, enter the amount tendered by your customer, then press the A key if it is a cash tender or press a cheque key (X or Y) if it is a cheque tender.

When the amount tendered is greater than the amount of the sale, the register will show the change due amount and the symbol " " will light up. Otherwise the register will show a deficit and the symbol " " will light up. You now must make a correct tender entry. Cash tendering Key operation example Print s 1000 A Cheque tendering Key operation example Print s 1000 X Cash or cheque sale that does not require tender entry Enter items and press the A key if it is a cash sale or press a cheque key if it is a cheque sale. The register will display the total sale amount.

Key operation example Print 300 + 10 p A In the case of cheque 1 sale When programmed not to allow "direct non-tender finalization after tendering" (Job code 63, refer to page 45), you must always enter a tender amount. 17 A202\_2 FOR THE OPERATOR 03.7.5 8:07 AM Page 18 Credit sale Enter items and press a credit key (c or b). Key operation example Print 2500 + 3250 \* c Mixed-tender sale You can perform mixed-tendering of cheque and cash, cash and credit, and cheque and credit.

Key operation example Print s 950 A b 6 Computation of VAT (Value Added Tax)/tax VAT/ tax system The cash register may be programmed for the following six VAT/tax systems. The cash register is preprogrammed as automatic VAT 1-4 system. Automatic VAT 1-4 system (Automatic operation method using programmed percentages) This system, at settlement, calculates VAT for taxable 1 through 4 subtotals by using the corresponding programmed percentages. Automatic tax 1-4 system (Automatic operation method using programmed percentages) This system, at settlement, calculates taxes for taxable 1 through 4 subtotals by using the corresponding programmed percentages, and also adds the the calculated taxes to those subtotals, respectively. Manual VAT 1-4 system (Manual entry method using programmed percentages) s t This system provides the VAT calculation for taxable 1 through 4 subtotals. This calculation is performed using the corresponding programmed percentages when the t key is pressed just after the s key. Manual VAT 1 system (Manual entry method for subtotals that uses VAT 1 preset percentages) To use a programmed rate s VAT rate t This system enables the VAT calculation for the then subtotal. This calculation is performed using the VAT 1 preset percentages when the t key is pressed just after the s key. For this system, the keyed-in tax rate can be used. 18 A202\_2 FOR THE OPERATOR 03.

7.5 8:07 AM Page 19 Manual tax 1-4 system (Manual entry method using preset percentages) s t This system provides the tax calculation for taxable 1 through 4 subtotals. This calculation is performed using the corresponding programmed percentages when the t key is pressed just after the s key. After this calculation, you must finalize the transaction. Automatic VAT 1 and automatic tax 2-4 system This system enables the calculation in the combination with automatic VAT 1 and automatic tax 2 through 4. The combination can be any of VAT1 corresponding to taxable 1 and any of tax 2 through 4 corresponding to taxable 2 through taxable 4 for each item. The tax amount is calculated automatically with the percentages previously programmed for these taxes. · The tax status of PLU/subdepartment depends on the tax status of the department which the PLU/subdepartment belongs to.



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· VAT/tax assignment symbol can be printed at the fixed right position near the amount on the receipt as follows: VAT1/tax1 A VAT2/tax2 B VAT3/tax3 C VAT4/tax4 D When the multiple VAT/tax is assigned to a department or a PLU, a symbol of the lowest number assigned to VAT/tax rate will be printed. For programming, please refer to "Various Function Selection Programming 1" (Job code 66) on page 45.

**OPTIONAL FEATURES 1 Auxiliary Entries Percent calculations (premium or discount)** Your register provides the percent calculation for the subtotal and/or each item entry depending on the programming. · Percentage: 0.01 to 100.00% (Depending on the programming) Application of preset rate (if programmed) and manual rate entry are available. Percent calculation for subtotal Key operation example Print 4@ 140 > 570 \* ms 10 % A 19 A202\_2 FOR THE OPERATOR 03.

7.5 8:07 AM Page 20 Percent calculation for item entries Key operation example Print 800 + 7P5% 15 p & A (When premium and 15% are programmed for the key) & Deduction entries Your register allows you to deduct a preset amount or a certain amount manually entered, which are less than a programmed upper limit. These calculations can be after the entry of an item and/or the computation of subtotal depending on the programming. Deduction for subtotal Key operation example Print 575 + 10 p ms 100 - A Deduction for item entries Key operation example Print 675 \* A (When a deduction amount of 0.75 is programmed.

) Refund entries For departments 1 to 16, enter the refund amount and press the f key, and then press the corresponding department key and for departments 17 to 32, enter the refund amount and press the f key, then press the D key and press the corresponding department key (when using the preset price, omit entering the amount). In case of department 33 to 50, enter the department code and press f key and the d key, then enter the refund amount and press the d key if necessary. For a refund of a PLU item, enter the PLU code and press the f key, then press the p key. For a refund of a subdepartment item, enter the PLU code and press the f key and p key, then enter the refund amount and press the p key. 20 A202\_2 FOR THE OPERATOR 03.7.5 8:07 AM Page 21 Key operation example Print 250 f + 35 f d 100 d 7@ 13 f p 11 f p 150 p A Non-add code number entries and printing You can enter a non-add code number such as a customer's code number and credit card number, a maximum of 16 digits, at any point during the entry of a sale. The cash register will print it at once.

To enter a non-add code number, enter the number and press the s key. Key operation example Print 1230 s 1500 + c 2 Auxiliary Payment Treatment Currency exchange For an additional payment in foreign currency After an entry is completed or After the amount tendered is found smaller than the sales amount in a sales entry Preset exchange rate \*Exchange rate For direct finalization V Amount tendered (max.

8 digits) A XY cb or or l Reentry Next registration or payment in domestic currency \*Exchange rate: 0.000000 to 999.999999 · Press the l key after pressing the V key to cancel payment in a foreign currency. · If "Yes" is selected for cheque and credit operation when tendering in foreign currency in EURO programming, you can finalize a sale in foreign currency using the X, Y, c or b key with preset exchange rate operation. · If programmed, a foreign currency symbol is printed when you use a preset rate. 21 A202\_2 FOR THE OPERATOR 03.7.5 8:07 AM Page 22 Applying preset exchange rate Key operation example Print Currency exchange Amount tendered in foreign currency 2300 + 4650 \* V 10000 A Domestic currency Exchange rate Foreign currency Domestic currency Foreign currency symbol (Printed if programmed) (When a currency exchange rate of 0.939938 is programmed for the V key.) Applying manual exchange rate Key operation example Print Exchange rate 2300 + 4650 \* 1 P 275 V 10000 A Received-on account entries When you receive on account from a customer, use the r key.

For the received-on-account (RA) entry, enter the amount, and press the r key. Cash tendering only available for RA operation. Key operation example Print 12345 s 4800 r Paid-out entries When you pay an amount to a vendor, use the R key. For the paid-out (PO) entry, enter the amount and press the R key. Cash tendering only available for PO operation.

Key operation example Print 54321 s 2300 R 22 A202\_2 FOR THE OPERATOR 03.7.5 8:07 AM Page 23 No sale (exchange) When you need to open the drawer with no sale, press the A key. The drawer will open and printer will print "NO SALE" on the receipt or journal. If you let the machine print a non-add code number before pressing the A key, a no sale entry is achieved and a non-add code number is printed.

**3 Automatic Sequence Key (a key) Entries** You can achieve a programmed transaction simply by pressing the a key. Key operation example Print a (a = 500 + A) CORRECTION 1 Correction of the Last Entry (direct void) If you make an incorrect entry relating to a department, PLU/subdepartment, percentage (% and &), discount (-) or refund, you can void this entry by pressing the v key immediately after the incorrect entry. Key operation example Print 1250 + v 2p v 600 ' & v 328 , 28 v 250 f + v A 23 A202\_2 FOR THE OPERATOR 03.7.5 8:07 AM Page 24 2 Correction of the Next-to-last or Earlier Entry (indirect void)

You can void any incorrect department entry, PLU/subdepartment entry or item refund entry made during a transaction if you find it before finalizing the transaction (e.g. pressing the A key). This function is applicable to department, PLU/subdepartment and refund entries only. Press the v key just before you press a department key, d key or p key. For the refund indirect void, press the v key after you press the f key.

Key operation example Print Correction of a department entry Correction of a PLU entry Correction of a refund entry 1310 + 1755 \* 10 p 12 p 250 f + 825 \* 1310 v + 12 v p 250 f v + A 3 Subtotal Void You can void an entire transaction. Once subtotal void is executed, the transaction is aborted and the register issues a receipt. This function does not work when more than 30 items have been entered. Key operation example Print 1310 " " 1755 + 10 p 35 p Subtotal void s v s 4 Function Correction of Incorrect Entries not Handled by the Direct or Indirect Void Any errors found after the entry of a transaction has been completed or during an amount tendered entry cannot be voided. These errors must be corrected by the manager. The following steps should be taken: 1. 2. 3. 24 If making the amount tendered entry, finalize the transaction. Make correct entries from the beginning.



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Hand the incorrect receipt to the manager for its cancellation. A202\_3 FOR THE MANAGER 03.7.5 8:08 AM Page 25 FOR THE MANAGER PRIOR TO PROGRAMMING Before starting sales entries, you must first program necessary items so the cash register suits your sales needs. In this manual, there are three sections, BASIC FUNCTION PROGRAMMING where required items must be programmed, AUXILIARY FUNCTION PROGRAMMING where you can program for more convenient use of keys on the keyboard, and ADVANCED FUNCTION PROGRAMMING where various optional programming features are provided.

Find the appropriate features for your needs, and make the necessary programming. You can select the language of text (English, German, French or Spanish) printed on receipts or journals. For the language selection, please refer to "Language Selection" described later in this section. Procedure for programming 1. 2.

3. 4. Check to see whether the paper roll is present in the machine. If there is not enough paper on the roll, replace it with a new one (refer to MAINTENANCE section for the replacement). REG OPX/Z MGR Put the manager key in the mode switch and turn it to the PGM position. X1/Z1 Program necessary items into the cash register. X2/Z2 Every time you program an item, the cash register will print the setting. Please PGM refer to print samples in each section. If necessary, issue programming reports for your reference. On the key operation example shown in the programming details, numbers such as "26082003" indicates the parameter which must be entered using the corresponding numeric keys.

Asterisks in the tables shown in the programming details indicate default settings. BASIC FUNCTION PROGRAMMING 1 Date and Time Programming Date (For Quick Start) For setting the date, enter the date in 8 digits using the day-month-year (DD/MM/YYYY) format, then press the s key. Date(DD/MM/YYYY) s Print Date Key operation example 26082003 s (26 Aug., 2003) You can use the date format of month-day-year (MM/DD/YYYY) or year-month-day (YYYY/MM/DD) format. To change the format, refer to "Various Function Selection Programming 1" section (Job code 61). 25 A202\_3 FOR THE MANAGER 03.7.5 8:08 AM Page 26 Time For setting the time, enter the time in 4 digits using the 24-hour format. For example, when the time is set to 2:30 AM, enter 230; and when it is set to 2:30 PM, enter 1430. Time(max.

4 digits in 24-hour format) s Print Time Key operation example 1430 s In the display, current time is displayed in 24-hour format. If you want to display time in the 12-hour format, refer to "Various Function Selection Programming 1" section (Job code 61). In the 12-hour format, " " for AM time and " " for PM time will appear in the rightmost position with the current time. 2 Tax Programming If you program the VAT/tax, the cash register can calculate the sales tax. In the VAT system, the tax is included in the price you enter in the register, and the tax amount is calculated when tendered according to the VAT rate programmed.

In the tax system, the tax is calculated when tendered according to the tax rate programmed, and added to the price. The cash register can provide totally 6 kinds of VAT/tax systems (automatic VAT1-4, automatic tax 1-4, manual VAT 1-4, manual VAT 1, manual tax 1-4, and automatic VAT1 and automatic tax 2-4 systems) and 4 kinds of rates. By default, the cash register is pre-programmed as automatic VAT1-4 system. When you program tax rate(s) and taxable status for each department, tax will be automatically added to sales of items assigned to the department according to the programmed tax status for the department and the corresponding tax rate(s). For details of the tax systems, refer to "Computation of VAT (Value Added Tax)/tax section on page 18.

To change the tax system, please refer "Other programming" of "Various Function Selection Programming 1" section (Job code 69) on page 47. Tax rate programming The percent rate specified here is used for tax calculation on taxable subtotals. s 9 @ @ Tax number (1 to 4) @ s A To program "0.0000" \* Sign and tax rate When the lowest taxable amount is zero Lowest taxable amount (0.01 to 999.99) \*Sign and tax rate: X YYY.YYYY Tax rate=0.0000 to 100.0000 Sign /+ = 1/0 26 A202\_3 FOR THE MANAGER 03.7.

5 8:08 AM Page 27 Key operation example Print s9@ 2@ 4@ 12 s A · The lowest taxable amount is valid only when you select add on tax system. If you select VAT (Value added system), it is ignored. · If you make an incorrect entry before pressing the third @ key in programming a tax rate, cancel it with the 1 key. · You do not need to enter the trailing zeros of the tax rate (after the decimal point), but you do need to enter the decimal for fractions. · If you select VAT system, the sign which you program is ignored. To delete a tax rate, use the following sequence: s 9 @ Tax number (1 to 4) @ v A AUXILIARY FUNCTION PROGRAMMING 1 Department Programming Merchandise can be classified into a maximum of 50 departments. Items sold using the department keys can later be printed on a report shown as the quantities sold and sales amounts classified by department. The data is useful for making purchasing decisions and other store operations. Department status To set all zeros ABCDEFGH \* @ d D Dept. @@For department 33-50: Dept.

@@By default, VAT 1 is assigned for all departments. @@@@To extend the number, please refer to "EJ memory type" on page 41. Unit price and associated department assignment To program zero PLU code \*1 p p \*2 Unit price (max. six digits) D Associated Dept. key To program zero \*2 Unit price (max. six digits) A \*1: To assign departments 17 through 32, press the department shift key. When the associated department is department 33-50: PLU code Associated dept.

@@@@@. 10.00% can be entered as 10 or 10P00. The P key is needed only for fractional entry. @@@@When "0" is set, open price entry is prohibited. @@@@The following are used as control keys for character entry: H Toggles between upper-case and lower-case letters. By default, the upper-case letter is selected. Once the H key is pressed, you are locked in for entering lower-case letters. "\_" lights up at the SHIFT position of the display when lower-case letters entry is selected. N Press the N key to enter numeric characters. For example to enter "1", press the N and 1 key.

If you press the 1 key without pressing the N key, the cash register goes to character codes entry mode. Once the N key is pressed, you are locked in for entering numeric characters. "\_" lights up at the NUMBER position of the display when numeric characters entry is selected.



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Toggles between single-size and double-size characters. By default, the single-size character is W selected. Once the W key is pressed, you are locked in for entering double size characters. "\_" lights up at the DC position of the display when double-size characters entry is selected. Backs up the cursor, erasing the character to the left. B To program the word "Clerk01" with the letter "C" being double size. To make the letter "C" double size character To make character size return to normal size To toggle the characters to lower-case letters To enter numbers Wg W H hijk NO1 Entering character codes with numeric keys on the keyboard Numerals, letters and symbols are programmable by entering the character code and the : key.

(If numeric characters entry is selected, that is, "\_" lights up at the NUMBER position of the display, press the N key to release it.) Set the alphanumeric character code table on the next page. By doing this, you can program characters other than those on the key tops. · Double-size characters can be made by entering the character code 253. · All three digits of the character code MUST be entered (even if it starts with zero).

To program the word "SHARP" in double-size characters 253 : 083 : 072 : 065 : 082 : 080 : S H A R P When you press an appropriate number key (job code number) and press the P key for text entry just after you start programming with the s key, the cash register will automatically be ready for text entry. 34 A202\_3 FOR THE MANAGER 03.7.5 8:08 AM Page 35 Alphanumeric character code table Code Character 001 á 002 â 003 é 004 î 005 ì 006 í 007 ò 008 ó 009 ù 010 ú 011 ue 012 u `` 013 ü 014 o `` 015 ó 016 017 018 019 `` 020 021 022 023 024 025 026 027 `` 028 U 029 Ú `` 030 O 031 Ó 032 (space) 033 ! 034 " 035 # 036 \$ 037 % 038 & 039 ' 040 ( 041 ) 042 043 + 044 , 045 Code Character 046 . 047 / 048 0 049 1 050 2 051 3 052 4 053 5 054 6 055 7 056 8 057 9 058 : 059 ; 060 < 061 = 062 > 063 ? 064 @ 065 A 066 B 067 C 068 D 069 E 070 F 071 G 072 H 073 I 074 J 075 K 076 L 077 M 078 N 079 O 080 P 081 Q 082 R 083 S 084 T 085 U 086 V 087 W 088 X 089 Y 090 Z Code Character 091 Ä 092 Ö 093 Ü 094 ^ 095 \_ 096 ` 097 a 098 b 099 c 100 d 101 e 102 f 103 g 104 h 105 i 106 j 107 k 108 l 109 m 110 n 111 o 112 p 113 q 114 r 115 s 116 t 117 u 118 v 119 w 120 x 121 y 122 z 123 { 124 \ 125 } 126 ß 127 ç 128 !! 129 l 130 2 131 3 132 4 1/2 133 F 134 T 135 Code Character 136 137 138 139 140 141 F 142 T 143 ç 144 ° 145 ÿ 146 ù 147 à 148 Æ 149 ø 150 Å 151 152 ₣ é 153 è 154 Pt 155 i 156 Ñ 157 ò 158 £ 159 ¥ 160 161 ° 162 163 164 .

@@n 189 . 190 C 191 S C 192 . Code Character . 193 I . 194 G 195 S . 196 G . . 197 g 198 K . 199 k . @@@@key Dept.

@@Key operation example s1P ! @@@@ (max. 2 digits) @ Character keys (max. @@@@ currency for EX cheque DOM.CUR1 Net 1 (Taxable 1 - VAT/tax 1) NET 1 Net 2 (Taxable 2 - VAT/tax 2) NET 2 Net 3 (Taxable 3 - VAT/tax 3) NET 3 Net 4 (Taxable 4 - VAT/tax 4) NET 4 Subtotal Merchandise subtotal Total Change Sales q'ty Average Total tax Net without tax Department report title PLU report title Transaction report title Clerk report title Hourly report title Non add symbol (8 chara.) Copy receipt title EJ report title EJ report end title SUBTOTAL MDSE ST TOTAL CHANGE ITEMS AVE. TTL TAX NET1 NET2 REFUND CASH CHECK1 CHECK2 CREDIT1 CREDIT2 EXCH1 EXCH2 EX1 CHK EX1 CR CID NET DEPT PLU TRANS. CLERK HOURLY # COPY EJ EJ END 37 A202\_3 FOR THE MANAGER 03.7.5 8:08 AM Page 38 Clerk names (12 digits) To keep current setting s5P Clerk code (1-20) @ Character keys (max. 12 digits) sA To program another clerk Key operation example Print s5P I@ DAVID s A Logo messages (6 lines and 24 digits for each line) The register can print programmed messages on every receipt.

On the standard model, a 6-line logo message is printed on the receipt. If you want to print in other logo message format, please change the format. (See page 48 for the programming details.) The options are listed below: To keep the current setting s4P \*Line number (1-6) @ Character keys (max. 24 digits) sA To program another line \* "Header 3-line message" type: 1 to 3 "Header 6-line message" type: 1 to 6 "Header 3-line and footer 3-line message" type: 1 to 6 (1 to 3 as header, 4 to 6 as footer) Logo message print format (3 types) Header 1st line Header 2nd line Header 3rd line Header 1st line Header 2nd line Header 3rd line Header 4th line Header 5th line Header 6th line Header 1st line Header 2nd line Header 3rd line Footer 4th line Footer 5th line Footer 6th line Header 3-line message Header 6-line message Header 3-line message and footer 3-line messages 38 A202\_3 FOR THE MANAGER 03.

7.5 8:08 AM Page 39 To print the logo message "THANK YOU" using double sized characters and centering on the third line. Key operation example Print s4P 3@ SSS W THANK S YOU W SSS sA A 6-line logo message is preprogrammed when shipped. Please start entering from the first line when you first program a logo message. Foreign currency symbol (4 digits) Foreign currency symbol for the V key is printed with a foreign currency exchange amount obtained using a preset rate.

To keep the current setting s6P Key operation example Character keys (max. 4 digits) s Print A Entry using character code s6P US S 036 : sA Foreign currency symbol Domestic currency symbol (4 digits) " " is set as a default setting. When you want to change the domestic currency symbol, change the setting. To keep the current setting s 85 P Key operation example Character keys (max. 4 digits) s A Print Entry using character code s 85 P SSS 207 : sA Domestic currency symbol 39 A202\_3 FOR THE MANAGER 03.7.5 8:08 AM Page 40 Training mode text (12 digits) For every receipts issued in the training mode, \*\*TRAINING\*\* is printed by default. When you want to change the text, follow the procedure below. To keep the current setting s 87 P Key operation example Character keys (max. 12 digits) s A Print s 87 P S S TRAINING S S sA The programmed text is printed in double-size characters on the receipts issued in the training mode.

ADVANCED FUNCTION PROGRAMMING 1 Register Number and Consecutive Number Programming The register number and consecutive numbers are printed on every receipt or journal. When your store has two or more registers, it is practical to set separate register numbers for identification. The consecutive number is increased by one each time a receipt is issued or when a journal print occurs.



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For consecutive number programming, enter a number (max. 4 digits) that is one less than the desired starting number. Register number To set the register number "0" s 1 @ Register number (one to six digits) s Print A Register number Key operation example s1@ 123456 s A Setting consecutive numbers To begin the count from 0001 s 2 @ A number (one to four digits) that is one less than the desired starting number s A Key operation example Print s2@ 1000 s A 40 Consecutive number A202\_3 FOR THE MANAGER 03.7.5 8:08 AM Page 41 2 Electronic Journal (EJ) Programming The cash register provides the electronic journal (EJ) function. By default, a maximum of 3000 lines can be stored in memory. By decreasing the storable line numbers to 2000 lines you can expand the available number of PLU codes to 1200.

For reading journal data, refer to "EJ REPORT READING AND RESETTING" (page 61). EJ memory type When this procedure is executed, EJ data is cleared, and PLU data (programming data and sales data) are reset to the default after all data is cleared even if the same memory type is selected. s 90 @ \*A A \*A: 0 for EJ 2000 lines and PLU 1200 codes 1 for EJ 3000 lines and PLU 200 codes Key operation example Print s 90 @ 0A Function parameters for EJ To set "00000000" s \* Item: A B C D E F G H 68 @ Selection: \*ABCDEFGH s Entry: 0 0 0 1 0 1 0 1 0 1 0 1 0 1 2 A Always enter 0. Always enter 0. Temporary EJ printing during a transaction Disable Enable\* EJ printing and clearing EJ data when No\* issuing general Z1 report Yes PGM mode operation records type Details\* Header information only REG/MGR/VOID modes operation Details\* records type Total Compressing printing for EJ data No (normal size) Yes (small size)\* Action when EJ memory area is full Continue Continue and warning (near full warning)\* Lock and warning (with near full warning) 41 A202\_3 FOR THE MANAGER 03.

7.5 8:08 AM Page 42 Temporary EJ printing during transaction · If selecting "enable", you can print journal data of a current transaction recorded in EJ memory by pressing the R key during the transaction. To realize this function completely, the cash register must be programmed to print the receipt and set the Receipt ON/OFF function to OFF. PGM mode operation records type · The header information only is printed during the program reading operation. The header information only is printed for X/Z reports.

(Receipt sample for Header Information only) Action when EJ memory area is full · By default, when the memory for EJ becomes nearly full, the cash register shows decimal points at the 8th and 9th positions of the display (EJ memory nearly full message), and the cash register keeps storing new data while erasing the oldest data. When "0" is selected, the cash register will no longer show EJ memory nearly full message. When "2" is selected, the cash register shows EJ memory nearly full message and when the memory is totally full, the cash register locks the sales/data entry with a display of the memory full message " " .

You must issue an EJ report (Z1 report) at this time. Key operation example Print s 68 @ 00100002 s A 3 Various Function Selection Programming 1 The cash register provides various detailed functions listed below. · Function selection for miscellaneous keys · Print format · Receipt print format · Others For this programming, the job code entry style is applied. You can continue programming until you press the A key for the programming described in this section.

To continue programming, repeat from a job code entry. To set "00000000" s \*Job code @ \*2ABCDEFGH sA \*1 Enter job code using numeric keys specified in each section below. \*2 Data entry details are listed on each table in each section below.

An asterisk is entered for factory setting. Example: When programming for job code 5 as ABCDEFGH: 00000100. Key operation example Print s5@ 00000100 s A 42 A202\_3 FOR THE MANAGER 03.7.5 8:08 AM Page 43 Function selection for miscellaneous keys Job code: 5 \* Item: A B C D E F G H Paid-out in the REG-mode Received on account in the REG-mode Subtotal void in the REG-mode Indirect void in the REG-mode Direct void in the REG-mode Refund entry in the REG-mode No sale in the REG-mode Fractional quantity entry Selection: Enable\* Disable Enable\* Disable Enable\* Disable Enable\* Disable Enable\* Disable Enable\* Disable Enable\* Disable Enable\* (3 digit decimal place) Disable\* Entry: 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 Print format Job code: 6 \* Item: A B C D E F G H Printing style Receipt print form Time print on receipts/journals Date print on receipts/journals Consecutive no. print Separator line in reports Zero skip in PLU report Zero skip in full sales/clerk/hourly report Selection: Journal printing Receipt printing\* Total Detailed\* Yes\* No Yes\* No Yes\* No One line space Separator line\* No Yes\* No Yes\* Entry: 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 Printing style · Even when receipt printing is selected, the journal rewind motor will be driven in PGM, OP X/Z, X1/Z1 and X2/Z2 modes so you can wind sales and programming reports. 43

A202\_3 FOR THE MANAGER 03.7.5 8:08 AM Page 44 Receipt print format Job code: 7 \* Item: A B C D E F G H Always enter 0. Always enter 0. Subtotal print with a press of subtotal key Always enter 0. VAT/tax amount print Taxable amount print Net amount print Purchase no. print Selection: Entry: 0 0 0 1 0 0 1 0 1 0 1 0 1 0 1 No\* Yes Yes\* No Yes\* No Yes\* No Yes\* No Other programming Job code: 61 \* Item: A B C D Always enter 0. Always enter 0. Minus dept.

and PLU/subdept. Fractional treatment Selection: Entry: 0 0 0 1 0 1 2 0 1 0 1 0 1 2 0 to 3 (default: 2) E F G Use of : key Time format Date format Disable Enable\* Round off (4 down, 5 up)\* Raising to unit Disregarding fractional treatment As 00 key\* As 000 key 12-hour format 24-hour format\* Use month-day-year format Use day-month-year format\* Use year-month-day format H Position of decimal point (from right) (TAB) Job code: 62 \* Item: A B C D E F G H Always enter 0. Error beep for misoperation Key catch sound Buffered keyboard Void mode Printing of void mode in X2/Z2 report Printing of void mode in X1/Z1 report Addition to the hourly total in VOID mode Selection: Lock error Misoperation\* Yes\* No Yes\* No Enable\* Disable Yes\* No Yes\* No No\* Yes Entry: 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 44 A202\_3 FOR THE MANAGER 03.7.5 8:08 AM Page 45 Job code: 63 \* Item: A B C D E F G H Receipting at the time of

"no sale" entry No sale after non-add code entry Non-add code entry Copy receipt Entry that causes the merchandise subtotal to be smaller than zero Subtotal entry before tendering Subtotal entry before direct non-tender finalization Direct non-tender finalization after tendering Selection: Yes\* No Disable Enable\* Enable\* Disable No\* Yes Enable\* Disable Noncompulsory\* Compulsory Noncompulsory\* Compulsory Disable Enable\* Entry: 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 Job code: 64 \* Item: A B C D E F G H Printing of GT1 on Z report Printing of GT2 on Z report Printing of GT3 on Z report Printing of Training GT on Z report Printing of Z counter on Z report Printing of DATA on PLU resetting report Resetting of GT1, 2, 3 at the general Z1 report OP X/Z report Selection: Yes\* No Yes\* No Yes\* No Yes\* No Yes\* No No\* Yes Enable\* Disable Entry: 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 Job code: 66 \* Item: A B C D E F G H

After transaction receipt Selection: Total only Details\* Amount printing when PLU unit price No\* is zero Yes Conversion SBTL printing of native SBTL Yes\* No VAT/tax assignment print Yes No\* Compression print on journal at PGM, No (normal size) X1/Z1 and X2/Z2 modes Yes (small size)\* Compression print on journal at REG, No (normal size) MGR and VOID modes Yes (small size)\* Logo text print on journal No\* Yes Footer print control All receipts\* Only on selected function key at the time of finalization Entry: 0 1 0 1 0 1 0 1 0 1 0 1 0 1 45 A202\_3 FOR THE MANAGER 03.



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<http://yourpdfguides.com/dref/2231407>

7.5 8:08 AM Page 46 Compression print on journal at REG, MGR and VOID modes · This selection is valid only when "Printing style" (job code 6) is set as "journal printing". Job code: 67 \* Item: A B C D E F Rounding amount printing Selection: Entry: G H No\* 0 Yes (for Australian system) 1 Total amount rounding when a transaction Rounding\* 0 is finalized directly by X, Y, c or b key. Not rounding (for Australian system) 1 Rounding up of the unit digit of amount 0 - 9 (default: 0) Rounding down of the unit digit of amount 0 - 9 (default: 0) Application of rounding Item and payment\* 0 Payment 1 Limit of the least significant digit in Arbitrary\* 0 entering amount of item 0 only 1 0 and 5 only 2 Memory of difference due to rounding No\* 0 Yes 1 Limit of the least significant digit in Arbitrary\* 0 entering amount of payment 0 only 1 0 and 5 only 2 Rounding amount printing (A) Total amount rounding when a transaction is finalized directly by X, Y, c or b key(B) · When you live in Australia, set as shown on the table below for the parameters A and B. Rounding up of the unit digit of amount (C) Rounding down of the unit digit of amount (D) · Handle C and D as a pair. When you live in Australia, Switzerland, Norway or South Africa set as shown on the table below for the parameters C and D. The rounding is performed as follows: In case C = 0: Unit digit of amount < or = Value of D -- rounding down Value of D < or = Unit digit of amount -- rounding to 5 In other cases: Unit digit of amount < or = Value of D -- rounding down Value of D < Unit digit of amount < Value of C -- rounding to 5 Value of C < or = Unit digit of amount -- rounding up Application of rounding (E) Limit of the least significant digit in entering amount of item (F) Memory of difference due to rounding (G) Limit of the least significant digit in entering amount of payment (H) · When you live in Australia, Switzerland, Norway or South Africa set as shown on the table below for the parameters E through H. Switzerland Norway South Africa CD 82 54 05 E Item & payment Payment Payment F 0 and 5 only Arbitrary Arbitrary F Arbitrary G No Yes Yes G Yes H 0 and 5 only 0 only 0 and 5 only H 0 and 5 only A B CD E Australia Yes Not rounding 82 Payment\* \* Applied to payment by cash and change amount. 46 A202\_3 FOR THE MANAGER 03.7.

5 8:08 AM Page 47 Job code: 69 \* Item: A B C D E Always enter 0. Always enter 0. Always enter 1. Rounding of foreign currency for V Tax system Selection: Entry: 0 0 1 0 1 0 1 2 3 4 5 0 1 0 1 0 1 2 F G H Tax print when taxable subtotal is zero Tax print when tax is zero Rounding system Rising to unit\* Round off (4 down/5 up) Auto tax 1-4 Auto VAT 1-4\* Manual VAT 1-4 Manual VAT 1 Manual tax 1-4 Auto VAT 1 & Auto tax 2-4 No\* Yes Yes\* No Normal\* Sweden Denmark Rounding system · When you live in Sweden or Denmark, change the default setting (H=0) to the corresponding setting. 4 Various Function Selection Programming 2 The cash register provides various options so you can use the register to suit your sales needs. In this section, you can program the following features (parameters within parentheses indicates default setting): · Power save mode (entering the power save mode after 30 minutes) · Logo message print format (Header 6-line message) · Thermal printer density (standard density) · Language selection (English) · Training clerk specification (none) - If you specify a clerk code who is trained for use on this cash register, the cash register will go into training mode when the clerk code is registered for sales entries. The sales operations done by the trained clerk do not affect sales totals. For details, refer to TRAINING MODE section. Power save mode s \* Item: A B-D 10 Yes\* No @ \*ABCD sA Entry: 0 1 001-254 or 999 (Default 030) Selection: Entering power save mode when time is displayed Time(min.) to entering power save mode since no operation is made When 999 is set for B to D, entering into power save mode is inhibited.

47 A202\_3 FOR THE MANAGER 03.7.5 8:08 AM Page 48 Key operation example Print s 10 @ 0060 s A Logo message print format You can select the number of lines for your logo message, and the position to print it on receipt. For details of the logo message type, please refer to "Logo messages" on page 38. To set "0" s 11 @ \*A sA \*A: Logo message type 0: Header 3-line message 3: Header 6-line message (default) 5: Header 3-line message and footer 3-line message Key operation example Print s 11 @ 0sA Thermal printer density To set "0" s 50 @ Key operation example \*Printer density (00-99) sA Print \* 50 (100%) is the default setting.

To make the print darker, set a larger number, and to make the print lighter, set a smaller number. s 50 @ 70 s A Language selection To set "0" s \*Language: 0: English 1: German 88 2: French @ \*Language (0-3) A 3: Spanish (default: English) 48 A202\_3 FOR THE MANAGER 03.7.5 8:08 AM Page 49 Key operation example Print s 88 @ 1A When you change the language, the texts such as clerk names, logo messages and function texts (refer to page 37), which you programmed, will be reset to the default settings. The language selection must be made before programming clerk names, logo messages and function texts.

Training clerk specification for training mode For the details of clerk training, please refer to "TRAINING MODE" on page 57. To cancel s 86 @ Key operation example Clerk code (1 to 20) sA Print s 86 @ 20 s A AUTO key programming -- Automatic sequencing key If you program frequently performed transactions or report sequences for the a key, you can recall those transactions and/or reports simply by pressing the a key in key operations. Delete a Transaction (key entry) max. 25 times a A Programming for a; entering a PLU 2 item and a dept. 6 item (unit price: 1.00) Key operation example Print a AUTO setting 2 p 100 + a A When the a key has been programmed to execute a report job function, the mode switch must be in the appropriate position (OPX/Z for individual clerk reports, X1/Z1 for daily reports or X2/Z2 for weekly or monthly reports). 49 A202\_4 FOR THE MANAGER 03.7.5 8:09 AM Page 50 5 EURO Programming For details of EURO migration operation, please refer to "EURO MIGRATION FUNCTION". EURO system settings To set "0" for all items s \* Item: A B C D 8 @ No\* Yes \*ABCD sA Entry: 0 1 0 0 1 0 1 Selection: Printing exchange total amount and change amount on receipt or journal Always enter 0.

Cheque and credit operation when tendering in foreign currency Exchange calculation method No\* Yes Multiplication\* Division Printing exchange total amount and change amount on receipt or journal · Total and change amounts in exchange currency are printed respectively below each of the total and exchange amounts in domestic currency.



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