

# Ishida AC-4000 / AC-4000B Receipt Operation & Setup

## Overview

For Receipt Mode operation the AC-4000 accumulates a customer's transactions in memory rather than print individual labels. When all purchases are completed the Operator prints a receipt listing all items. Individual labels are not available. Payment tendering, tax calculations, and cash drawer operation are not available.

This document contains operation and setup information.

## Firmware

This document pertains to the following firmware.

**C1448C** (main) & **B0402B** (BIOS)

## Operation

AC-4000 Receipt mode operation parameters are listed below.

**NOTE:** The AC-4000 must be set to normal manual print mode during receipt operation.

1. Normal operation procedure.
  - a. Recall a PLU by number and **PLU** key or by a preset key.
  - b. For a Weighed item place the product on the scale.
  - c. Press an **OPERATOR** preset key.
  - d. Display changes to Sub Total indicating the number of items and Total Price.
  - e. Repeat from *step a* to accumulate additional items.
  - f. Press the **TOTAL PRINT** key to complete the transaction and issue the receipt.
2. Cancel an Operator's entire accumulated transaction.
  - a. Press the **SUB TOTAL** key to display the Sub Total information.
  - b. Press the **OPERATOR** key of the account to be canceled.
  - c. Press the **CANCEL** key to clear any accumulated items for that Operator.
  - d. The display returns to the normal operation mode.
3. Void the last item added to an Operator's accumulation.
  - a. Press the **SUB TOTAL** key to display the Sub Total information.
  - b. Press the **OPERATOR** key that accumulated the item to be removed.
  - c. Press the **VOID** key to remove the last item added.
  - d. The display returns to the normal operation mode.
4. Re-issue the previous receipt.

This must be done immediately after printing the previous receipt.

  - a. Press the **SUB TOTAL** key to display the Sub Total information.
  - b. Enter the Operator's Number (i.e. 12) then press the **LABEL BATCH** key.
  - c. A duplicate receipt is printed.
5. Recall an Operator's accumulated transactions.

Use this procedure if multiple Operators are using the scale simultaneously.

  - a. Press the **SUB TOTAL** key to display the Sub Total information.
  - b. Press the **OPERATOR** key to view the accumulated transitions Sub Total.
  - c. Press the **TOTAL PRINT** key to complete the transaction and issue the receipt or press the **SUB TOTAL** key to continue adding more items.

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## Keyboard

The following key functions are added for receipt operation.

**CANCEL:** use to delete all accumulated items for an Operator.

**VOID:** use to delete the last item accumulated by an Operator.

**SUB TOTAL:** use to change between the normal display and the Sub Total display.

**TOTAL PRINT:** use to complete a transaction and prints the receipt.

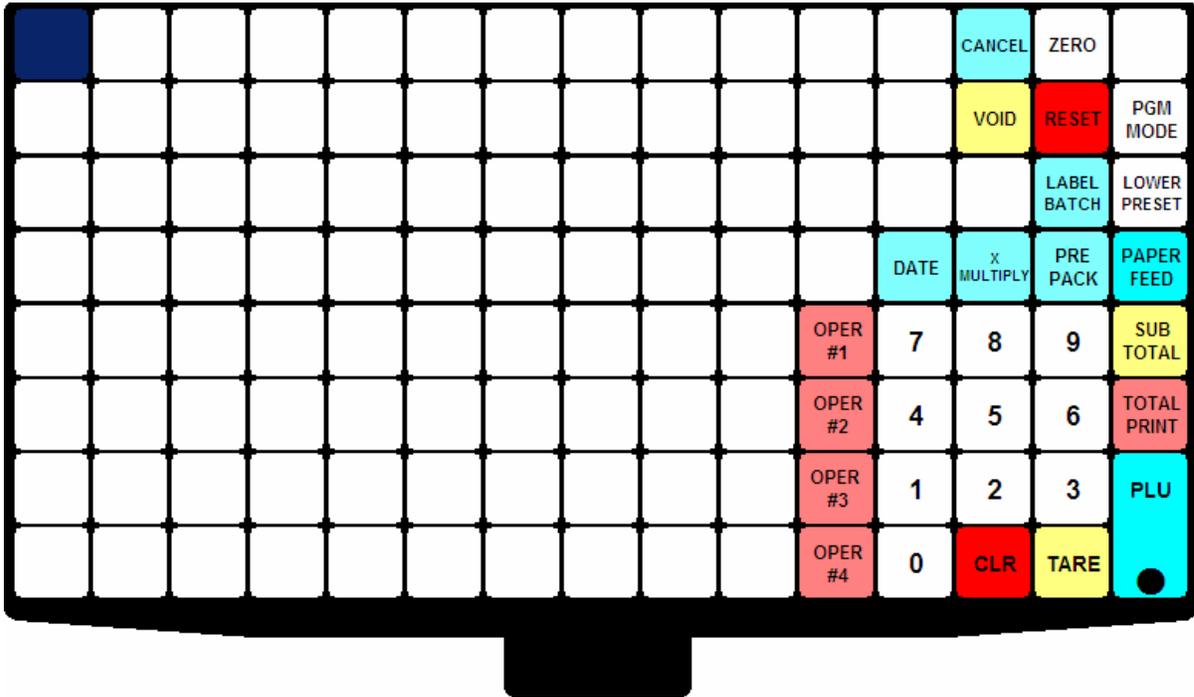


Figure 1. Receipt Operation Keyboard with Sample Operator Preset Keys Programmed

## Sub-Total Display

The image below identifies the data shown on the Sub-Total display.

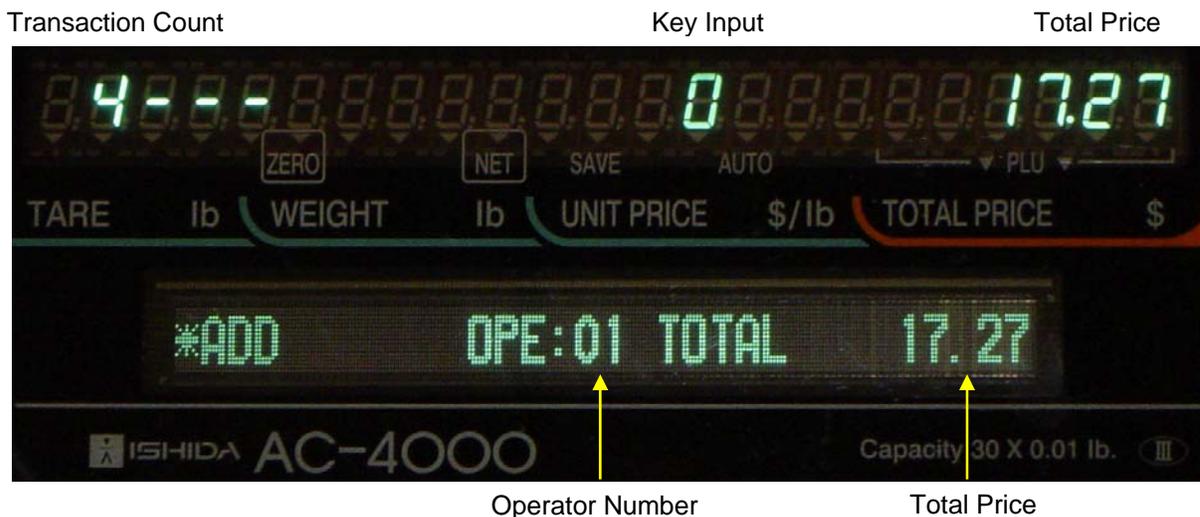


Figure 2. The Sub-Total Display

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## Receipt Printout

Refer to the following sample receipt for details of the printed items.

The receipt is titled 'HAPPY'S MARKET' and includes the address '172 MAIN ST ANYTOWN, USA' and phone number '(555)678-1234'. The date and time are 'DEC.05.2007 3:53PM'. The items listed are:

PLU	\$/lb	lb	\$
00006619	1 PC.		\$5.99
00006658	3.99	1.815	\$7.24
00007128	1.99	2.390	\$4.76
00007192	1.99	0.535	\$1.06
00007194	2.89	2.385	<del>\$6.89</del>
			\$5.89
00009986	4 PCS.		\$5.16
<b>TOTAL PRICE</b>			<b>\$30.10</b>
TRANSACTIONS			6
TOTAL PCS.			9PCS.
TOTAL WEIGHT			7.125 lb

At the bottom, the receipt includes a barcode with the number '2 65432 73010 3', the store name 'ISHIDA / RICE LAKE', address 'Rice Lake, WI www.ishidaretail.com', receipt number 'NO. 000578', machine number '0300', and operator name 'Susie Q.'.

Figure 3. Sample Receipt with Explanations

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## Configuration

AC-4000 Receipt setup steps are listed below.

1. Sales Mode Set is added to Test Menu as step C08-03.
  - 0 = No Accumulation
  - 1 = Receipt (default)
2. Receipt settings are added to Print Setup step B01-01.
  - a. B01-01-14, Initial Receipt Serial Number. Up to six-digits can be set.
  - b. B01-01-15, Receipt Header Message Number. Set message number for Extra Message #2.
3. Receipt Barcode settings are added to POS Code step B02.
  - a. B02-07, Total Barcode Flag. Default value is "2".
  - b. B02-08, Total Barcode. Up to six-digits can be set. Default value is "000000".
  - c. B02-09, Total Barcode Format. Select format 1 to 33. Default value is "1".
4. Label Format.
  - a. The receipt format is fixed and cannot be edited.
  - b. Continuous receipt label or paper is mandatory.
  - c. Settings in step is B01-01 are disregarded.  
**NOTE:** Full width 64mm label stock is recommended.
5. Receipt Header is programmed as Extra Message #2. (See step 2b above).
  - a. Up to three lines can be printed in the receipt header message.
  - b. Character size is fixed as size 7.
  - c. Maximum characters per line are 25.  
**NOTE:** If more than 25 characters are programmed per line the following lines will not print. Example: if line one has 26 characters lines two and three will not print.
6. Receipt Footer.
  - a. Program Store Name and Address as normal. Character size is fixed as size 2.
  - b. Receipt Serial Number. Refer to step 2a above for setting the starting number. Character size is fixed as size 3.
  - c. Machine Number. This three-digit number is the last octet of the IP Address. Character size is fixed as size 3.
  - d. Operator Name. Prints up to 10 characters. Character size is fixed as size 3.
7. PLU Descriptions.
  - a. Description limited to one line of 30 characters. Character size is fixed as size 3.
8. The new Receipt related settings (Sales Mode {C08-03}, Receipt Serial No & Receipt Message No. {B01-01-16,17}, and Receipt Barcode {B02-07,08,09}) are backed up by i-View from version 1.24h.

## Miscellaneous

The following items should be noted.

1. Standard labels for individual items can be printed (on continuous strip labels) by placing the scale in PrePack mode.
2. The maximum number of transactions per Operator is 30. If the Operator attempts to add another item to the customer's purchase an error is displayed.
3. Error Messages  
The following error messages have been added for receipt operation.
  - a. Error 15 "Print Receipt" is displayed if more than 30 transactions for a single operator are entered.
  - b. Error 64 "Sales Data Memory Shortage" is displayed every time the Sub Total key is pressed when available memory is less than 10K.
  - c. Error 65 "Sales Data Memory Overflow" is displayed when available memory is less than 2K. No additional operations are permitted.