

# SHARP®

ELECTRONIC CASH REGISTER  
ELEKTRONISCHE REGISTRIERKASSE  
CASSIÈRE ENREGISTREUSE ELECTRONIQUE  
CAJA REGISTRADORA ELECTRONICA

MODEL  
MODELL  
MODELE  
MODELO

# ER-2100

INSTRUCTION MANUAL  
BEDIENUNGSANLEITUNG

MANUEL D'INSTRUCTIONS  
MANUAL DE INSTRUCCIONES



**Bescheinigung des Herstellers/Importeurs**

(nur für die Bundesrepublik Deutschland und West-Berlin anwendbar)

Hiermit wird bescheinigt, daß der/die/das

- Elektronische Registrierkasse Modell ER-2100

In Übereinstimmung mit den Bestimmungen der

- Vfg. 1046/1984

funk-entstört ist.

Der Deutschen Bundespost wurde das Inverkehrbringen dieses Gerätes angezeigt und die Berechtigung zur Überprüfung der Serie auf Einhaltung der Bestimmungen eingeräumt.

Sharp Electronics (Europe) GmbH

This apparatus complies with requirements of BS 800 and EEC directive 82/499/ECC.

Dieses Gerät stimmt mit den Bedingungen der EG-Richtlinien 82/499/EWG überein.

Cet appareil répond aux spécifications de la directive CEE 82/499/CEE.

Dit apparaat voldoet aan de vereiste EEG-reglementen 82/499/EEG.

Apparatet opfylder kravene i EF direktivet 82/499/EF.

Questo apparecchio è stato prodotto in conformità alle direttive CEE 82/499/CEE.

Αυτή η συσκευή τηρεί τις προδιαγραφές γής ECC ντιρεκτίβα 82/499/ECC.

Este aparelho responde às especificações de directiva 82/499/CEE.

Este aparato cumple las especificaciones de la directriz de la CEE 82/499/CEE.

**CAUTION:**

For a complete electrical disconnection pull out the mains plug.

**VORSICHT:**

Zur vollständigen elektrischen Trennung vom Netz, den Netzstecker ziehen.

**ATTENTION:**

Pour obtenir une mise hors-circuit totale, débrancher la prise de courant secteur.

**AVISO:**

Para una desconexión eléctrica completa, desenchufar el enchufe de tomacorriente.

**VARNING:**

För att helt koppla från strömmen, dra ut stickproppen.

## INTRODUCTION

Thank you very much for your purchase of the SHARP Electronic Cash Register, Model ER-2100.

Please read this Manual carefully before operating your machine in order to gain a full understanding of its function and performance.

Please keep this Manual for future reference, it will help you, if you encounter any operational problems.

## IMPORTANT

- Install your ER-2100 in a location that is not subject to direct radiation, unusual temperature changes, high humidity or exposed to water sources. Installation in such locations could cause damage to the cabinet and the electronic components.
- The register should not be operated by an individual with wet hands. The water could seep into the interior of the ER-2100 and cause component failure.
- When cleaning your register, use a dry, soft cloth. Never use volatile liquid, such as benzine and thinner. The use of such chemicals will lead to discoloration or deterioration of the cabinet.
- The ER-2100 register plugs into any standard wall outlet (local voltage  $\pm 10\%$  AC). Other electrical devices on the same electrical circuit could cause the ER-2100 to malfunction.
- If the register malfunctions, call your local dealer for service—Do not try to repair the register yourself.

## PRECAUTION

This Electronic Cash Register has a built-in memory protection circuit which is operated by rechargeable batteries.

As you know, all batteries will, in time, dissipate their charge even if not used. Therefore to insure an adequate initial charge in the protection circuit, and to prevent any possible loss of memory upon installation, it is recommended that the unit be allowed to recharge for a period of 24 to 48 hours prior to use by the customer. In order to charge the batteries, the machine must be plugged in and left on in the REG mode. This recharging precaution can prevent unnecessary initial service calls.

# CONTENTS

	Page
<b>PHYSICAL CHARACTERISTICS OF THE ER-2100 REGISTER</b> . . . . .	4
<b>KEYBOARD LAYOUT AND SWITCH AND KEYS DESCRIPTIONS</b> . . . . .	5
<b>DESCRIPTION OF THE DISPLAY</b> . . . . .	7
<b>OVERFLOW ERROR ALARM</b> . . . . .	8
<b>PROGRAMMING</b> . . . . .	9
1. Setting the date and time . . . . .	9
2. Setting the register number . . . . .	10
3. Setting the consecutive number. . . . .	10
4. Programming for departments . . . . .	11
5. Programming for PLU (price look-up). . . . .	13
6. Programming the limit to the number of entry digits for the <b>[RA]</b> , <b>[PO]</b> and <b>[CH]</b> keys . . . . .	14
7. Programming for the <b>[%]</b> key . . . . .	14
8. Programming value added tax rates (VAT rates) . . . . .	15
9. Programming for the <b>[⊖]</b> key . . . . .	16
10. Programming alphanumeric characters for each function . . . . .	17
11. Programming logo messages . . . . .	20
12. Programming for time print and journal/receipt print format selection . . . . .	21
13. Reading the contents of programming. . . . .	22
<b>REGISTRATIONS</b> . . . . .	24
1. Repetitive registration . . . . .	24
2. Multiplication registration . . . . .	25
3. Registration of single-item cash sale. . . . .	25
4. Display of subtotal . . . . .	26
5. Discount and premium registrations . . . . .	26
6. Computation of VAT (Value Added Tax)/tax. . . . .	28
7. Amount-tendered registration . . . . .	29
(1) Change calculation . . . . .	29
(2) Multiple cash or cheque tendering. . . . .	29
(3) Mixed tendering—cash+cheque . . . . .	30
(4) Mixed tendering—cash or cheque+credit . . . . .	30
8. Refund registration . . . . .	30
9. Printing non-add code numbers. . . . .	31
10. Received-on-account and paid-out registrations . . . . .	31
11. Exchange (no-sale). . . . .	31
<b>CORRECTION</b> . . . . .	32
1. Correction of an entry . . . . .	32
2. Correction of the last entry (direct void) . . . . .	32
3. Correction of the next-to-last or earlier entries (indirect void) . . . . .	33

	Page
<b>CORRECTION AFTER FINALIZING A TRANSACTION (AFTER GENERATING A RECEIPT)</b> . . . . .	34
<b>TIME DISPLAY AND AUTOMATIC UPDATING OF THE DATE</b> . . . . .	35
<b>READING AND RESETTING OF SALES (DAILY TOTAL)</b> . . . . .	36
1. Reading and resetting the sales for every item . . . . .	36
2. Reading and resetting the hourly sales . . . . .	38
3. Reading and resetting the PLU-based sales . . . . .	39
4. Reading and resetting the sales of cashiers (Option) . . . . .	40
<b>READING AND RESETTING OF SALES (MONTHLY TOTAL)</b> . . . . .	41
<b>COMPULSORY CASH/CHEQUE DECLARATION</b> . . . . .	42
<b>IN CASE OF POWER FAILURE</b> . . . . .	43
<b>REMOVING THE TILL AND THE DRAWER</b> . . . . .	44
<b>OPENING THE DRAWER BY HAND</b> . . . . .	44
<b>INSTALLING THE INK RIBBON CASSETTE</b> . . . . .	45
<b>INSTALLING THE PAPER ROLL AND MOUNTING THE TAKE-UP SPOOL</b> . . . . .	46
<b>REPLACING THE PAPER ROLL AND REMOVING THE PAPER TAKE-UP SPOOL</b> . . . . .	48
<b>BEFORE CALLING FOR SERVICE.</b> . . . . .	49
<b>SPECIFICATIONS</b> . . . . .	50
<b>LIST OF OPTIONS</b> . . . . .	51

This is a “Table of Contents preview” for quality assurance

The full manual can be purchased from our store:

[https://the-checkout-tech.com/manuals/sharp/ER-2100 operating manual.html](https://the-checkout-tech.com/manuals/sharp/ER-2100%20operating%20manual.html)

And our free Online Keysheet maker:

<https://the-checkout-tech.com/Cash-Register-Keysheet-Creator/>

[HTTPS://THE-CHECKOUT-TECH.COM](https://THE-CHECKOUT-TECH.COM)