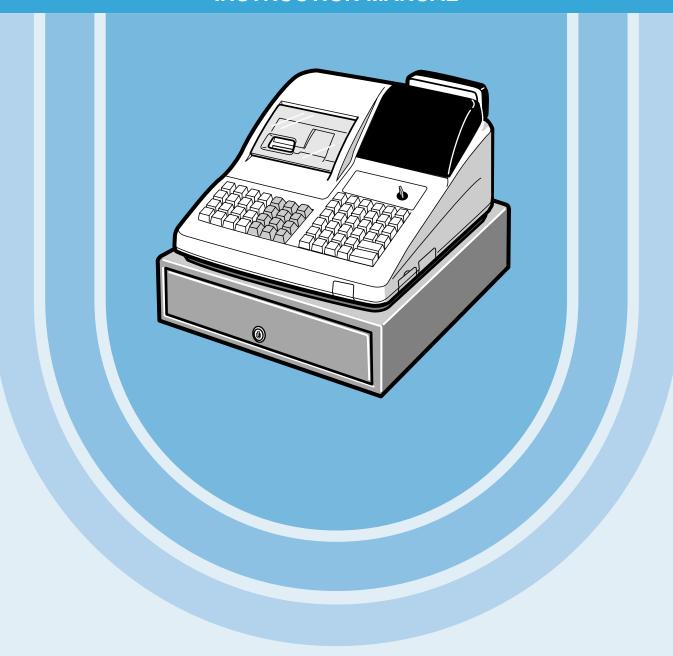


ELECTRONIC CASH REGISTER

ER-A450S

INSTRUCTION MANUAL



CAUTION:

The cash register and the remote drawer should be securely fitted to the supporting platforms to avoid instability when the drawers are open.

CAUTION:

The socket-outlet shall be installed near the equipment and shall be easily accessible.

VORSICHT:

Die Netzsteckdose muß nahe dem Gerät angebracht und leicht zugänglich sein.

ATTENTION

La prise de courant murale devra être installée à proximité de l'équipement et devra être facilement accessible.

AVISO:

El tomacorriente debe estar instalado cerca del equipo y debe quedar bien accesible.

VARNING:

Det matande vägguttaget skall placeras nära apparaten och vara lätt åtkomligt.

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.

This equipment complies with the requirements of Directives 89/336/EEC and 73/23/EEC as amended by 93/68/EEC.

Dieses Gerät entspricht den Anforderungen der EG-Richtlinien 89/336/EWG und 73/23/EWG mit Änderung 93/68/EWG.

Ce matériel répond aux exigences contenues dans les directives 89/336/CEE et 73/23/CEE modifiées par la directive 93/68/CEE.

Dit apparaat voldoet aan de eisen van de richtlijnen 89/336/EEG en 73/23/EEG, gewijzigd door 93/68/EEG.

Dette udstyr overholder kravene i direktiv nr. 89/336/EEC og 73/23/EEC med tillæg nr. 93/68/EEC.

Quest' apparecchio è conforme ai requisiti delle direttive 89/336/EEC e 73/23/EEC, come emendata dalla direttiva 93/68/EEC.

Η εγκατάσταση αυτή ανταποκρίνεται στις απαιτήσεις των οδηγιών της Ευρωπαϊκής Ενωσης 89/336/ΕΟΚ και 73/23/ΕΟΚ, όπως οι κανονισμοί αυτοί συμπληρώθηκαν από την οδηγία 93/68/ΕΟΚ.

Este equipamento obedece às exigências das directivas 89/336/CEE e 73/23/CEE, na sua versão corrigida pela directiva 93/68/CEE.

Este aparato satisface las exigencias de las Directivas 89/336/CEE y 73/23/CEE, modificadas por medio de la 93/68/CEE.

Denna utrustning uppfyller kraven enligt riktlinjerna 89/336/EEC och 73/23/EEC så som komplette ras av 93/68/EEC.

Dette produktet oppfyller betingelsene i direktivene 89/336/EEC og 73/23/EEC i endringen 93/68/EEC.

Tämä laite täyttää direktiivien 89/336/EEC ja 73/23/EEC vaatimukset, joita on muutettu direktiivillä 93/68/EEC.

INTRODUCTION

Thank you very much for your purchase of the SHARP Electronic Cash Register, Model ER-A450S. 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.

IMPORTANT

- Install your register in a location that is not subject to direct sunlight, unusual temperature changes, high humidity or exposure to water sources and keep away from heat and magnetic 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 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.
- If the register malfunctions, call your local dealer for service do not try to repair the register yourself.
- For a complete electrical disconnection, pull out the mains plug.

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 each 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. This recharging precaution can prevent unnecessary initial service calls.

CONTENTS

		_
	DDUCTION	
	RTANT	
	AUTION	
CONT	ENTS	2
EXTER	RNAL VIEW	
	Front view	
	Rear view	
	ER	
	OARD	
	Standard keyboard layout	
	Standard key number layout	
	AND SWITCHES	
	Mode switch and mode keys ·····	
	2 Drawer lock key ·····	
DISPL	AYS	
	Machine state symbols	12
FOR '	THE MANAGER	
		4.0
_	R TO PROGRAMMING	-
	General instructions	
2	P. How to program alphanumeric characters	
	Using character keys on the keyboard	13
DD	Entering character codes	
PROG	RAMMING	
D:1	Preparations for Programming	
	Setting the date and time	
1	Date	
	Time	_
2	Programming for departments······	
2	Unit price	
	Functional selection	
2	Price lookup (PLU) programming	
3	Unit price	
	Functional selection	
	PLU assignment to departments ······	
4	European Article Number(EAN)/Universal Product Code(UPC) programming	
4	Unit price	
	Functional selection	
	EAN assignment to departments······	
E	5 Programming for discount keys	
5	Deduction amount (Θ)	
	High amount lockout (HALO) and +/- sign (□)	
^	Frogramming for percent keys ····································	
6	Percent rate (%) ······	
	Percent rate (%)	
-		
1	Programming for exchange keys Currency exchange rate (Ex)	30
0	Currency exchange rate ([EX])	30
8	Programming for the CA2, RAJ, PO, CH and CR keys	
	HIGH AMOUNT JOCKOUT (HALC) (ICA2L IRAL IPOL ICHI, ANG ICRI) ····································	30

9	Programming the tax rate	
	Tax rate	
	ode-Based Programming	
1	Setting the date and time	
	Setting the date (#2610)	
	Setting the time (#2611)	
2	Setting the register and consecutive numbers	
	Setting the register number (#2612)	
	Setting the consecutive number (#2613)	
3	Programming the tax rate	
	Tax rate (#2711)	
4	Programming for departments	
	Functional programming (#2110)	
	Tax status (#2111)	
	A limit amount (HALO) of entry (#2112)	
	Alphanumeric characters (#2114) ······	
	Unit price (#1110)	
	Commission group assignment (#2115)	39
	Group number (#2116)	
	Department key positioning (#2119)	41
5	Price lookup (PLU) programming	
	Department assignment (#1200, 2230)	
	Unit prices (#1210)	
	Base quantity (#1211)	
	PLU/subdepartment mode (#2210, 2231)	45
	Sign (+/-) and tax status (#2211, 2232)	
	Alphanumeric characters (#2214) ·····	47
	Assigning of PLUs to commission groups (#2215, 2235)	48
	Link PLU (#2220)	
_	Direct PLU key positioning (#2219)	
6	European Article Number (EAN) or Universal Product Code (UPC) programming	
	EAN or UPC code	
	Add-on code	
	EAN/UPC programming	
	Department assignment (#1000)	
	Unit prices (#1010)	
	Base quantity (#1011)	
	Delete method (#2010)	
	Sign (+/-) and tax status (#2011)	
	Assigning of EANs to commission group (#2015)	
	Delete period for non-accessed EAN codes (#2029)	58
	Programming Non-PLU code format (#2025)······	
	Press code functional programming (#2035)	
7	Programming for miscellaneous keys····································	
,	Programming the rate ($\%$, (EX) , commission) and the deduction (\bigcirc) (#1310)	
	Programming the number of digits after decimal point for exchange keys (#2330)	
	Currency description text programming (#2334)	62
	Assigning the drawer number to the drawer for foreign currency (#2680)	
	Assigning the drawer number to the drawer for foreign currency (#2660)	
	+/- sign (%, 🕞) (#2311)	
	Item % or subtotal % selection (%) (#2315)	
	Percent rate limitation (%) (#2313)	65
	Item ⊝ or subtotal ⊝ selection (⊝) (#2316) ······	66
	(-1) or subtotal \bigcirc selection (-1) (#2510)	

8	8	Programming for the TL, CA2, CH1 through CH4, and CR1 through CR4 keys	67
		Functional programming (#2320)	
		High amount lockout (HALO) for cheque change, cheque cashing, and cash in drawer (#2321) High amount lockout (HALO) of entry for media keys (#2322)	
	0	Programming of function text	
	9	Programming (#2314)	
		List of function texts	
	40	Cashier and clerk programming	
	10	Cashier code (#1500)	
		Cashier name (#1514)	
		Functional programming for cashiers (#2510)······	
		Clerk code (#1400)	
		Clerk name (#1414)	
	4.4		
	11	Programming various functions	
		Programming for optional feature selection (#2616)	/4
		Programming feed line after printing of a difference subtotal (#2615)	
		Programming alarm length of time with drawer opening (#2617)	
		Programming of logo messages (#2614)	
		Selection of X1/Z1 and X2/Z2 reports to be printed in the stacked report sequence (#2620)	
		Setting the time range for hourly reports (#2619)	82
		RS-232C channel assignment (#2690) ·····	82
		Barcode reader programming (#2691)	83
		Secret codes to control access to the PGM1 mode, X1/Z1 mode and X2/Z2 mode	
		(#2630, 2631, 2632)	
		Functional programming for the printer (#2990)	
		Setting the AUTO key - Automatic sequencing key - (#2900)	
	12	Reading stored programs ·····	
		Program details and procedures for their reading	
		Sample printouts	
		Training mode·····	
RE		NG (X) AND RESETTING (Z) OF SALES TOTALS	
		Summary of reading (X) and resetting (Z) reports and the key operations to obtain the reports	
	2	Daily sales totals	
		Full reading and resetting of sales totals	
		Cashier reading and resetting	
		Clerk reading and resetting	
		Reading and resetting of hourly sales information	
		Full department reading	
		Individual group reading ·····	107
		Full group reading	
		Reading and resetting of sales information for a range of PLUs/subdepartments	
		Reading of sales information on PLUs/subdepartments associated with an individual department-	
		Reading of PLUs/subdepartments whose sales amounts are zeros	
		Reading of PLUs/subdepartments whose sales amounts are zeros (by associated department) ···	
		Reading of sales information for the price amount range of PLUs/subdepartments	
		Reading and resetting of sales information for EANs	
		Reading and resetting of sales information for EANs associated with an individual department	
		Reading of EANs whose sales amounts are zero	
		Reading of EANs whose sales amounts are zeros (by associated department)	
		Reading of commission sales information	
		Transaction reading	
		Total in drawer reading	
		Reading and resetting of a stacked report	
		Deleting of non-accessed EANs	113

3 Periodic consolidation	114
Generality	
Reading and resetting of daily net totals	
Reading and resetting of a stacked report	115
COMPULSORY CASH/CHEQUE DECLARATION	
PROGRAMMING FOR EURO	
Automatic modification of register system for introduction of EURO	
Optional programming for the introduction of EURO	120
OVERRIDE ENTRIES	
CORRECTION AFTER FINALIZING A TRANSACTION (AFTER GENERATING A RECEIPT	
OCKILOTION ATTENTIMALIZMO A TRANSACTION (ATTEN CENERATING A RECEIL	,
FOR THE OPERATOR	
PRIOR TO ENTRIES	123
1 Preparations for entries ······	123
Receipt and journal paper rolls	123
Receipt ON/OFF function	123
Cashier and clerk assignment ······	
2 Error warning ·····	
ENTRIES	
1 Item entries	
Single item entries	
Repeat entries	
Multiplication entries	
Successive multiplication entries	
Split-pricing entries	
Single item cash sale (SICS)/single item finalize (SIF) entries······	
Link PLU/EAN link entries	
EAN learning function	
Price inquiry (view) function (for EANs)	
Price change function (for EANs)	
2 Displaying subtotals······	
Normal subtotal	
Difference subtotal (Differ ST)	
3 Finalization of transaction	
Cash or cheque tendering	
Mixed tendering (cheque + cash)	
Cash or cheque sale that does not need any tender entry	
Credit sale	
Mixed-tender sale (cash or cheque tendering + credit tendering)	
4 Computation of VAT (Value Add Tax)/tax ·····	
VAT/tax system	
VAT shift entries	
5 Auxiliary entries	
Percent calculations (premium or discount)	
Deduction entries	
Refund entries	
Printing of non-add code numbers	
6 Payment treatment ·····	
Currency exchange ·····	
Received on account entries	
Paid out entries	
No sale (exchange) ·····	
Cashing a cheque	
7 Automatic sequencing key (AUTO key) entries	143

	ECTION144
1	Correction of the last entry (direct void)144
2	Correction of the next-to-last or earlier entries (indirect void)
3	Subtotal void
4	Correction of incorrect entries not handled by the direct or indirect void function145
	AL PRINTING FUNCTIONS146
1	Copy receipt printing146
	Guest check copy147
	Printing of header and footer graphic logos147
	APPED CASHIER ENTRY148
OPER#	.TOR MAINTENANCE149
1	In case of power failure149
2	In case of printer error149
	Thermal printing
	Cautions in handling the printer149
	Cautions in handling the recording paper (thermal paper)150
4	Paper roll near-end sensing function (only for the journal paper) <option>150</option>
	Installing and removing the paper roll —————————————————————————————————
	Recording paper specifications151
	Installing the paper roll ·······151
	Removing the paper roll153
	Removing a paper jam ·······154
6	Cleaning the print head
7	Removing the till and the drawer
8	Opening the drawer by hand156
9	Installing the fixing angle bracket157
10	Before calling for service
	Error code table158
LIST O	F OPTIONS159
SPECIF	FICATIONS160

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-A450S instruction manual.html

And our free Online Keysheet maker:

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

HTTPS://THE-CHECKOUT-TECH.COM