

SAM4S

ER-285M Electronic Cash Register

Operator's and Programming Manual



***For Fast Startup,
See the "Quick Start Guide" on Page 13***

All specifications are subject to change without notice.

©2007, CRS, Inc.
M-ER285M Manual Version 1.4

Contents

Quick Start Guide	13
About the SAM4s <i>ER-285M</i>	13
Basic Features and Functions	14
Standard Hardware	14
Optional Hardware	14
Software Features	14
Display	15
Control Lock	15
Default Keyboard	16
Quick Start Step #1: Unpacking	17
Quick Start Step #2: Installing the Paper.....	17
Quick Start Step #3: Memory All Clear	21
Quick Start Step #4: Basic Programming	22
Programming the Date and Time.....	22
Programming the Sales Tax Rate	23
Programming PLU Tax & Preset Status.....	25
Setting a PLU Preset Price or an Open PLU Entry Limit.....	27
Setting a PLU Descriptor	29
Quick Start Step #5: Basic Operations	31
Clerk Sign-On	31
Registering Items.....	32
Totaling a Cash Sale.....	33
Tendering a Cash Sale.....	33
Tendering a Check Sale.....	34
Totaling a Charge Sale	34
Register Reports	35
Introduction	35
X & Z Reports	35
X2/Z2 Reports: Period-to-Date Reports.....	36
Running a Report - General Instructions	37
Electronic Journal Reports	38
Cash Declaration.....	39
Sample Reports	41
Financial	41
Time.....	45
PLU.....	46
Clerk	47
Individual Clerk.....	48
Groups	49
Stock.....	50
Open Check	51

Balancing Formulas	52
Operator Reference Guide	53
Function Key Descriptions	53
Clerk Sign-On/Sign-Off.....	58
Direct Sign-On	58
Coded Sign-On	58
Receipt On and Off	59
Item Registrations	60
Open Keyboard PLU Entry	60
Preset Price Keyboard PLU	60
Keyboard PLU Repeat Entry	61
Keyboard PLU Multiplication	62
Keyboard PLU Multiplication with Decimal Point	63
Split Pricing (Keyboard PLU)	64
Single Item Keyboard PLU	64
Open Code Entry PLU.....	65
Preset Price Code Entry PLU	65
Code Entry PLU Multiplication	66
Code Entry PLU Multiplication with Decimal Point.....	66
Split Pricing Code Entry PLU	67
Keyboard Shift	68
Modifier Key	69
Price Level Key	70
Promo	71
Waste	72
Percent Key Operations	73
Preset Percent Discount on an Item.....	73
Enter a Percent Discount on an Item	74
Percent on Sale Total.....	74
Coupon on Sale (Vendor Coupon)	75
Coupon on Item (Store Coupon)	76
Return Merchandise Registrations	77
Voids and Corrections	78
Error Correction (Void Last Item).....	78
Void Previous Item.....	78
Cancel.....	79
Void Position Operations	79
No Sale Operations	80
Open Drawer	80
Non Add Number	80
Received On Account Operations.....	81
Paid Out Operations.....	82
Subtotaling a Sale	83
Eat In/Take Out/Drive Thru Sales	83
Totaling and Tendering.....	84
Totaling a Cash Sale.....	84
Totaling a Check Sale.....	84
Tendering a Cash Sale	85
Tendering a Check Sale.....	85
Totaling a Charge Sale	86
Tendering a Charge Sale	87
Check Cashing.....	88
Split Tender	89

Post Tender.....	90
Currency Conversion.....	91
Table Service Restaurant Operations.....	92
Overview	92
Soft Check	94
Hard Check.....	97
Clerk Interrupt	100
Clerk Interrupt Program Notes	100
Clerk Interrupt Operation	101
Scale Operations	102
Direct Scale Entry	102
Automatic Scale Entry.....	103
Tare Weight Entry	103
Manual Tare Weight Entry.....	104
Manual Weight Entry	105
PC Online Mode	105

Service Mode Reference Guide 107

Overview	107
Clear All Totals	108
Clear Grand Total	108
Clear PLU File.....	109
EPROM Information	109
Memory Allocation.....	110
Function Key Assignment Programming	113
Function Key Code Chart.....	114
RS-232 Communication Options.....	115
Self Tests	117

Program Mode Reference Guide 119

Overview	119
Default Programming	120
Descriptor Programming Methods	120
Descriptor Code Chart.....	121
Initial Clear	122
Tax Programming	123
Straight Percentage Tax Rate Programming	124
Tax Table Programming.....	125
PLU Programming	127
Program 100 - PLU Status Programming.....	128
Program 110 - PLU Auto Tare Programming	130
Program 150 - PLU Group Assignment	131
Program 200 - PLU Price/HALO Programming	132
Program 250 - PLU Stock Amount Programming	133
Program 300 - PLU Description Programming.....	134
Program 350 - PLU Link Programming.....	135
Program 400 - PLU Delete Programming	136
Program 450 - PLU Mix & Match Programming.....	137
System Option Programming.....	138
System Option Table	139
Print Option Programming	143
Print Option Table.....	144
Function Key Programming	147

Program 80 - Function Key Descriptor	148
Program 90 - Function Key HALO	149
Program 70 - Function Key Options – General Instructions	150
ADD CHECK.....	151
CANCEL.....	152
CASH	153
CHARGE 1-8	154
CHECK	155
CHECK CASHING.....	156
CHECK ENDORSEMENT.....	156
CHECK #	157
CURRENCY CONVERSION.....	158
DRIVE THRU / EAT IN / TAKE OUT	159
ERROR CORRECT	160
F/S SUB.....	160
F/S TEND.....	161
GUEST	162
KBD SHIFT	162
LEVEL1-2.....	162
#/NS.....	163
RETURN	164
MODIFIER 1-5	165
PBAL.....	165
PROMO.....	166
PAID OUT1-3	166
PRINT CHECK.....	167
RECD ON ACCT1-3.....	167
SCALE	168
SERVICE	169
SUBTOTAL.....	170
TABLE	170
TARE.....	171
TAX EXEMPT.....	171
TIP.....	172
VALIDATE.....	172
VOID	173
WASTE	173
%1- %5.....	174
Clerk Programming.....	175
Program 800 - Secret Code Programming.....	175
Program 801 - Drawer Assignment & Training Clerk	176
Program 810 – Clerk Description Programming.....	177
Mix & Match Programming.....	178
Program 600 - Trip Level Programming	178
Program 601 - Price Programming.....	179
Program 610 - Mix & Match Description Programming.....	180
Group Programming	181
Miscellaneous Programming	183
Message Programming	184
NLU Code Number Programming	190
Cash-In-Drawer Limit Programming	191
Check Change Limit Programming	192
Date and Time Programming.....	193
Scale Tare Weight Programming	194
Machine Number Programming	195

Program Scans	196
Program Backup and Restore	197
Saving Reports to an SD Card	198
Firmware Update by SD Card	198

Integrated Payment Appendix **199**

Configuration Information.....	199
One Day Example of Credit Authorization	199
Open Batch.....	199
Sample Transaction	200
Sample Debit Transaction	201
Gift Card Operations	202
Manual Card Entry	204
Merchandise Return	204
Void Transaction	205
Local Total Report.....	205
Tip (Gratuity) Entry.....	205
Close Batch	206
Reset Mode Procedures	207
DataTran Function Table.....	207
Initialize EFT.....	207
Clear Current Batch.....	208
Chg Batch Number.....	208
Issue Local Total	208
Issue Transaction.....	209
Issue Batch Status.....	209
Dial In Load/Dial Out Load	210
Required ECR Programs.....	210
Local Transaction Report Key	210

Index **213**

Manual Revision Record **217**

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/samsung/ER-285m operation and programming](https://the-checkout-tech.com/manuals/samsung/ER-285m%20operation%20and%20programming)

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)