



# Programming Manual

**TX850**  
*Color Touch Screen*  
*Hospitality Management System*

***August 2, 2000***

This document includes information available when using the following boot rom and flash rom versions

Boot Rom Ver. 1.10  
FLASH ROM TX850-03 Ver. 1.11

**Uniwell**  
**TX850 PGM –01-11**

TX850 .....	1
FUNCTION KEYS USED FOR GENERAL PROGRAMMING .....	5
GENERAL PROGRAMMING INFORMATION .....	6
ENTERING THE SP PROGRAMMING MODE .....	6
DATA ENTRY PROMPTS .....	8
ALPHANUMERIC KEYBOARD INPUT .....	9
CREATING A BASIC PROGRAM.....	10
SETTING UP THE STANDARD PROGRAM.....	11
SETTING THE MAXIMUMS FOR PROGRAMMABLE FILES.....	13
SETTING THE TX850 TERMINAL IDENTIFIERS[SP-200].....	15
SETTING THE SYSTEM FLAG FOR IRC COMMUNICATIONS .....	16
TX850 TERMINAL PROGRAMMING.....	18
MAJOR GROUPS [SP-120](8 MAXIMUM).....	18
GROUPS[SP121] (48 MAXIMUM).....	21
COOKING INSTRUCTIONS[SP-132] (64 MAXIMUM).....	26
COOKING INSTRUCTION GROUPS[SP-126](20 MAXIMUM).....	27
CONDIMENT GROUPS[SP-125](25 MAXIMUM).....	28
CATEGORIES[SP-133](8 MAXIMUM) .....	30
ECR NAME[SP-136] .....	31
KP NAMES[SP-137] .....	31
DELETING THE DEFAULT PLU FILE.....	32
CREATE RANGE OF PLUs[SP-128].....	33
SET MENU FUNCTION.....	38
TOPPINGS.....	38
PLUs [SP-122] .....	39
EDIT RANGE OF PLUs[SP-127] .....	39
PLU PRICES[SP-101].....	40
PLU HALOS[SP-102].....	41
DELETE/UNDELETE PLU[SP-116].....	41
LOOK UP PLU[SP-140](MAX. 78).....	42
LOOK UP PLU MENU SHIFT[SP-154].....	46
TOUCH SCREEN PROGRAMMING.....	47
TOUCH SCREEN LAYOUT[SP-850].....	47
FUNCTION BUTTON PROGRAMMING .....	48
HARD PLU BUTTON PROGRAMMING.....	48
LOOK UP PLU BUTTONS.....	49
COOKING BUTTONS .....	49
BUTTON COLOR .....	50
BUTTON CAPTION .....	51
Z1 X Z1/P BUTTONS.....	52
Z2, X, Z1/P BUTTON COLOR .....	53
Z2, X, Z1/P BUTTON CAPTION .....	53
PLU BUTTON PROGRAMMING.....	54
PLU BUTTON TEXT/COLOR [SP-851].....	54
BUTTON SIZE[SP-852].....	56
MENU PROGRAMMING .....	59
PLU MENU [SP-111] .....	59
MENU LEVEL [SP-109] .....	61
AUTOMATIC MENU SHIFT.....	62
EXAMPLES OF MENU SHIFT SET-UPS.....	63
MENU SHIFT TIMES[SP-162].....	64
PRICE PROGRAMMING.....	65
PRICE LEVEL[SP-108].....	65
PRICE LEVEL TIMES[SP-161].....	65
PLU MODIFIERS[SP-100] .....	66

EMPLOYEE PROGRAMMING(CLERKS).....	67
CLERKS[SP-123].....	67
HARD CLERKS[SP-103] .....	70
CLERK iBUTTONS[SP117] AVAILABLE SOON .....	70
CLERK CARDS[SP-104] .....	70
CLERK COMMISSION[SP-105] .....	71
CLERK TIME AND ATTENDANCE EDIT[SP-191].....	71
MEDIA EXCHANGE RATE[SP-106].....	73
DISCOUNT AMOUNT[SP-107].....	73
SYSTEM FUNCTION FLAGS[SP-113] .....	74
OVERVIEW .....	74
SYSTEM FLAG PROGRAMMING EXPLANATIONS .....	75
LIST OF SYSTEM FUNCTION FLAGS .....	119
MISCELLANEOUS PROGRAMS .....	120
AUDITORS PASSWORD[SP-118] .....	120
PERSON TYPE[SP-129] .....	121
USER TEXT[SP-130] .....	122
WARNING MESSAGES[SP-131] .....	123
WARNING MESSAGE LIST .....	123
LOCATIONS[SP-134] .....	124
LOGO LINES –24 CHARACTERS[SP-135] .....	124
PAID OUT NAMES[SP-138] .....	124
GST MERCHANT[SP-139] .....	124
LOGO LINES – WIDE[SP-141].....	125
INVOICE LINES[SP-142].....	125
MACRO BUTTON[SP-143].....	125
MACRO CARD SYSTEM.....	126
PRESET TENDERS[SP-150] .....	127
PERCENTAGES[SP-151].....	127
CASH IN DRAWER LIFTS[SP-152] .....	127
ADJUSTMENTS[SP-153] .....	128
TAX RATES[SP-155](Maximum 4 Rates.....	128
TAX EXEMPTIONS FOR %[SP-156] .....	128
TAX TABLE[SP-157](Max 4 Tables) .....	129
GST THRESH[SP-158].....	131
FIRST TAX VALUE[SP-159].....	131
TIME ZONES[SP-160] .....	131
MODEM SETUP[SP-169] .....	132
ASSORTED REPORT[SP170] .....	133
SECURITY – REPORTS[SP-181] .....	133
SECURITY – PROGRAMS[SP-182].....	133
TIME & DATE[SP-190] .....	133
Drive Through Programming.....	134
ENGINEER PROGRAMS .....	135
ENGINEER DIAGNOSTICS[SP-9901] .....	136
SEQUENTIAL DIAGNOSTIC TEST .....	136
LCD VEE VOLTAGE TEST .....	136
DISPLAY TEST .....	136
CARD READER TEST .....	136
CLERK INSERT KEY TEST .....	136
CLERK IBUTTON TEST .....	136
DRAWER OPEN & SENSOR TEST .....	136
ON BOARD (CH-A, B) TEST .....	136
ON BOARD (CH-C, D) TEST.....	136
IF-071 (CH-E, F) TEST .....	136
IF-081 (LAN, CH-E, F) TEST .....	136

SERIAL EEPROM TEST .....	136
EEPROM ON BIT TEST .....	136
FLASH ON BIT TEST .....	136
DESTRUCTIVE RAM TEST .....	136
POWER DOWN RECOVERY TEST .....	136
ENGINEER PROGRAMS SP MODE .....	137
EPROM INFO[SP-9902] .....	137
INITIALIZE TEXT[SP-9903] .....	137
SET STANDARD TOUCH LAYOUT[SP-9904] .....	137
CLEAR FROM LAST PLU[SP9905] .....	138
INIT TRACKING AREA[SP-9909] .....	138
PRINTER TEST[SP-9920] .....	138
MODEM SETUP[SP-9940] .....	138
INIT ALL DATA[SP-9999] .....	138
IRC PROGRAMS.....	139
INTRODUCTION TO IRC .....	139
OVERVIEW OF IRC PROGRAMS .....	139
SETTING UP IRC SYSTEMS - RECOMMENDATIONS .....	140
IRC PROGRAM CODES AND FUNCTIONS.....	141
CABLES AND CONNECTORS .....	143
TX850 IRC CABLE .....	143
PC TO TX850 CABLE (FOR LOYALTY, STOCKMASTER ETC) .....	143
CABLE TYPES .....	143
COMMON CAUSES OF COMMUNICATION PROBLEMS .....	143
IRC FLAGS .....	144
SOFTWARE INTERFACES .....	145
LINKING A TX850 WITH A PC .....	145
EPOS INTERFACE.....	146
EPOS MANAGER .....	146
STOCKMASTER LITE .....	147
STOCKMASTER PROFESSIONAL .....	148
STOCKMASTER HEADOFFICE .....	149
STOCKMASTER BACK OFFICE.....	149
PERIPHERALS.....	150
CASH DRAWERS.....	150
EXTRA RAM BOARDS .....	150
PRINTERS .....	151
KITCHEN PRINTERS .....	151
TP522 (max. 8) .....	151
CBM231/233 (max. 3)Connected To NA-730 Network Adapter .....	152
NA730 SWITCH SETTINGS .....	153
LOCAL RECEIPT FUNCTIONS AS A KITCHEN PRINTER .....	155
COMMON CAUSES FOR KP/REMOTE PRINTER ERRORS .....	156
RECEIPT/GUEST CHECK PRINTER - LOCAL .....	157
CBM231/233 .....	157
TM-T88II SETUP FOR LOCAL RECEIPT .....	158
GRAPHIC LOGO ON THE CBM231/233 .....	160
SLIP PRINTER .....	161
TP620 DIP SWITCH SETTINGS .....	161
TP620 SYSTEM FLAG SETTINGS .....	162
TP620 BUTTONS AND DISPLAY .....	163
TP620 SPECIFICATION.....	163
ROM UPGRADES AND FLASH ROM LOAD .....	164
QUICK TX850-03 ROMs UPGRADE AND SETUP STEPS .....	164

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/uniwell/TX-850 programming manual.html](https://the-checkout-tech.com/manuals/uniwell/TX-850%20programming%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)