INFRASYS (HK) LTD.

Chili - User Manual

DISCLAIMER

The Chili system, including HT100 & HB100 are manufactured for, distributed and sold by Infrasys (HK) Ltd. Infrasys and Chili logo trademarks are owned by Infrasys (HK) Ltd.

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HT100 & HB100 have been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Reorient or relocate the receiving antenna,
Increase the separation between the equipment and receiver,
Connect the equipment into an outlet on a circuit different from that to which the receiver is connected,
Consult the dealer or an experienced radio/TV technician for help.

Also, shielded cables must be used with this unit to ensure compliance with the Class B FCC limits.

Warning: changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user’s authority to operate the equipment.

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I. INTRODUCTION

Handheld RF Terminal (HT100)

The mobile multi-language handheld terminal, HT100, is a technological breakthrough in mobile computing and creates a revolutionary Point-of-Sales (POS) solution in hospitality industry particularly.

The hospitality industry demands speedy, low-cost and reliable mobile devices to deliver services to customers. The vision of HT100 is to provide a low-cost, multi-language mobile terminal to improve restaurant operations and the efficiency of order processing. By adopting the 2.4GHz ISM Direct Sequence / Spread Spectrum technology, HT-100 can send and receive data on the fly at high speed.

World-wide Accepted RF Technology

The definite advantage of HT100 is that the newest cutting-edge RF technology is chosen. The 2.4GHz ISM (Industrial-Scientific-Medical) bandwidth technology is now fully endorsed by most countries in the world. HT-100 will receive approval easily for importing to most countries in the world.
The current data transfer rates is around 40k/sec 36 channels using Direct Sequence / Spread Spectrum (DS/SS). The 2.4GHz wireless technology supports an indoor range up to 75 meters.

As shown in the above diagram, a Chili® includes 2 hardware:
(1) HB100: a receiver that receives signals sent by the terminals
(2) HT100: RF Handheld Terminal

II. FUNCTION KEYS

In this section, it will mainly focus on the keys on handheld terminal.

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Scrolling button: Move between lines

Left Programmable key: Can be customized for software programming

Enter key: Send the selected items, input fields or data back to server

Function key: Press to go to the function menu

Send key: Confirm an operation specified by applications

Right Programmable key: Can be customized for software programming

Menu Key: Change to Lookup Mode or Category Selection when user taking an order

Cancel Key: Cancel an Item / Action & Back to the main menu

PLU Key: Take order by entering PLU no.

Numeral Keys

Review key: Review the inputted item

Reset Button

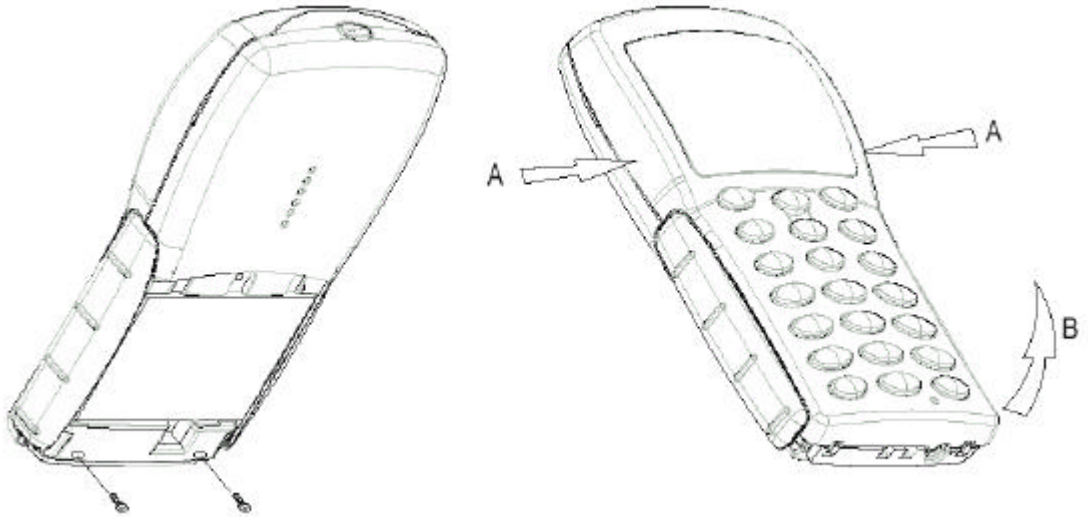
III. BATTERY INSTALLATION

1. Remove the screw and open the battery door. (Fig.1)
2. Plug in the battery and place it into the compartment with the wire along the sides of battery as shown in Fig.2
3. Close the battery door, and re-fasten the screw.

Fig. 1

Fig. 2

IV. REMOVAL OF COLOR COVER



1. Release the battery cover and remove the screws.
2. Squeeze two snaps of the color cover along the direction of arrow 'A'.
3. Twist the cover from the bottom side along the arrow 'B'.

V. PRODUCT SPECIFICATIONS

HT100 Handheld Terminal

CPU	Toshiba TMP88C060C
SRAM/Flash	128Kbytes/256Kbytes

Display	Resolution	128 x 64 Dots, 5 Text Rows
	Backlight	Umber LEDs with auto-off function
	Type	FSTN LCD
Key	No. of keys	21
	Numeral keys	10
	General function Key	4
	Special function keys	5
	Programmable keys	2
Language Support		Multi-Language Support up to 3 languages (single or double bytes) at the same time.
Power	Battery AC adaptor	Rechargeable Ni-MH 500mAh 3.6V 6V DC output, 300mA
Dimensions		120(L) x 75(W) x 20(H) mm (approx.)
Weight (including batteries)		120g(approx.)
Environment	Operating Temperature	0℃ to 40℃
	Humidity	95%, Non-condensing
Application Software		Terminal emulation with local processing mode

HB100 Base Station

I/O to HOST	RS-232C
Connector	D-sub 9pin(F)
Baud rate	19.2kbps (Default) or 38.4kbps
Dimensions	140(L) x 115 (W) x 30 (H) mm (approx.)
Number of HT100 Connections	5 units (recommendation)
	8 units (maximum)
Weight	240g
Installation	Desktop or wall mount

RF Module Specifications for HT100 & HB100

Frequency	Region 1	Region 2	Region 3
	2.4238 – 2.4776GHz	2.4465 – 2.4750GHz	2.4238– 2.4375GHz
	for all countries except region 2/3	*for France, Spain, Israel / Singapore*	*for Saudi Arabia*
Output Power	Less than 100mW		
RF Modulation	Direct Sequence Spread Spectrum		
Number of Channel	36 (Region 1)/ 19 (Region 2) / 10 (Region 3)		
Communication distance	Indoor	75m (approx.)	
	Outdoor	150m (approx.)	
RF Approvals of Compliance	FCC Part 15		