HIT 731-UHF
User's Manual

Hana Micron America

Hana Micron

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FCC Compliance Information

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Caution

Modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with Part 15 of FCC Rules. Operation is subject to the following two conditions:
(1) the device may not cause interference, and
(2) the device must accept any
interference, including interference that may cause undesired operation of this device.

FCC RF Radiation Exposure Statement:

When RFID function is used, this equipment should be operated with a minimum distance of 20 centimeters between the radiator and your body.This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

User's Warning

User's Warning

To clean this product, turn the power off and use only a damp cloth for cleaning exterior of terminal using either water of light detergent.
Do not use flammable substances such as benzene thinner

Before the use of this product, read all instructions in your user's manual and keep it for future references

Do not unplug terminal while it's in use. If you wish to unplug the terminal, please make sure the machine is turned off, then unplug it.
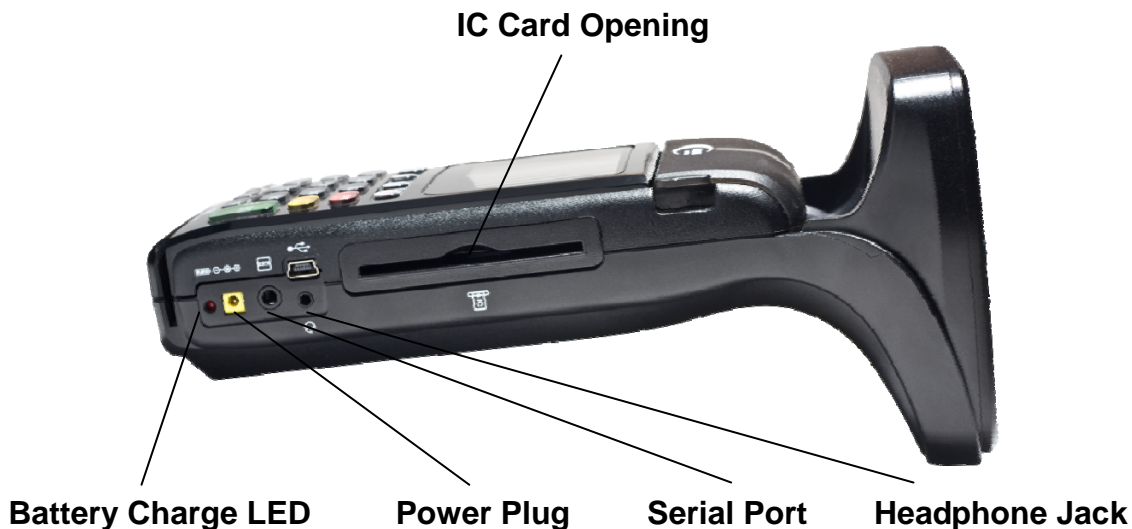
Do not attempt to service this terminal yourself, as opening or removing the cover may expose you to dangerous voltage.
(refer all servicing to authorized personnel)

If there is smoke coming out of the terminal, turn the terminal off and unplug it from the outlet.
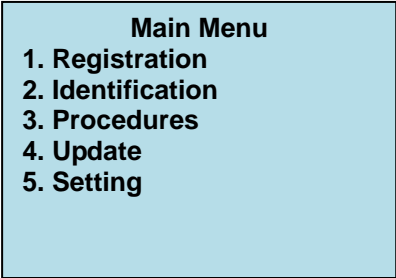
Product Component

UHF Module/Antenna

Receipt Box

Receipt Out

Display Screen Device

Paper Forward Key

Magnetic Card Opening

IC Card Opening

Battery Charge LED   **Power Plug**   **Serial Port**   **Headphone Jack**

Boot-up Screen

#	Terminal Screen	Descriptions for Key Operation and Summary
1	**GPS** **Time 00:00:00** **Latitude :** **[0.000000]** **Longitude :** **[0.000000]** **Press Enter for Continue**	Terminal starts to read its GPS location when it boots up Press **Enter** to continue to the Start Screen

Start Screen

#	Terminal Screen	Descriptions for Key Operation and Summary
1	HANA MICRON **Hana Micron America** **Enter for Main Menu**	Press **Enter** for Main Menu

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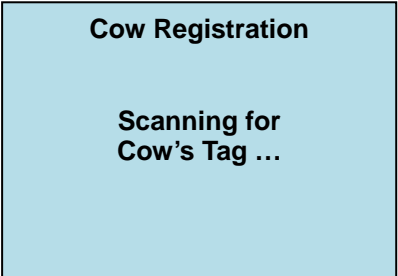
Main Menu

#	Terminal Screen	Descriptions for Key Operation and Summary
1	**Main Menu** **1. Registration** **2. Identification** **3. Procedures** **4. Update** **5. Setting**	* key for moving up # key for moving down 1 ~ 5 key for direct moving Enter key for selected menu

Registration

#	Terminal Screen	Descriptions for Key Operation and Summary
1	**Registration** **1. Cow** **2. Farm**	* key for moving up # key for moving down 1 ~ 2 key for direct moving Enter key for selected menu

Cow Registration

#	Terminal Screen	Descriptions for Key Operation and Summary
1	**Cow Registration** **Scanning for** **Cow's Tag …**	Point the terminal to cow's tag to get Cows' ID numbers
2	**Cow Registration** **Cow ID #** **105500217811534**	Get Cow ID numbers Press **Enter** to continue

#	Terminal Screen	Descriptions for Key Operation and Summary
3	**Cow Registration** **Birthday : _ / /**	Input cow's birthday (dd/mm/yyyy) Press **Enter** to continue
4	**Cow Registration** **Birthday : 01/01/2000** **Sex : _**	Input cow's sex (Male : M, Female : F) Press **Enter** to continue
5	**Cow Registration** **Birthday : 01/01/2000** **Sex : M** **Weight(kg) : __**	Input cow's weight Press **Enter** to continue
6	**Cow Registration** **SISBOV : 105500217811534** **Birthday : 01/01/2000** **Sex : M** **Weight(kg) : 500** **Press Enter to confirm**	Confirm information Press **Enter** to finish

Farm Registration

#	Terminal Screen	Descriptions for Key Operation and Summary

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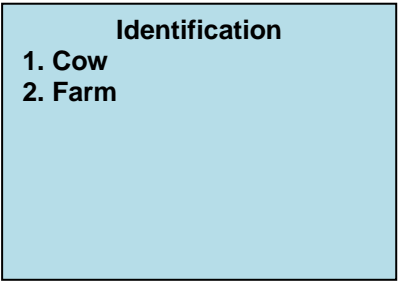
1	**Farm Registration** **Point #1** **Latitude :** **[0.000000]** **Longitude :** **[0.000000]** **Press Enter to confirm**	Go to the first corner of the premise and press **Enter**
2	**Farm Registration** **Point #2** **Latitude :** **[0.000000]** **Longitude :** **[0.000000]** **Press Enter to confirm**	Go to the second corner of the premise and press **Enter**
3	**Farm Registration** **Point #3** **Latitude :** **[0.000000]** **Longitude :** **[0.000000]** **Press Enter to confirm**	Go to the third corner of the premise and press **Enter**
4	**Farm Registration** **Point #4** **Latitude :** **[0.000000]** **Longitude :** **[0.000000]** **Press Enter to confirm**	Go to the fourth corner of the premise and press **Enter**
3	**Farm Registration** **Owner : _**	Input farm owner's name Press **Enter** to continue

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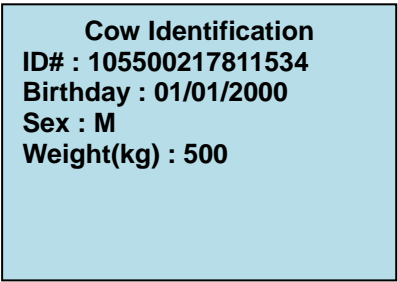
4	**Farm Registration** **Owner : Hana Micron** **Address :** _____ _____	Input farm address Press **Enter** to continue
5	**Farm Registration** **Owner : Hana Micron** **Address :** **1551 McCarthy Blvd STE** **201, Milpitas, CA 95035** **Press Enter to confirm**	Confirm information Press **Enter** to finish

Identification

#	Terminal Screen	Descriptions for Key Operation and Summary
1	**Identification** **1. Cow** **2. Farm**	* key for moving up # key for moving down 1 ~ 2 key for direct moving Enter key for selected menu

Cow Identification

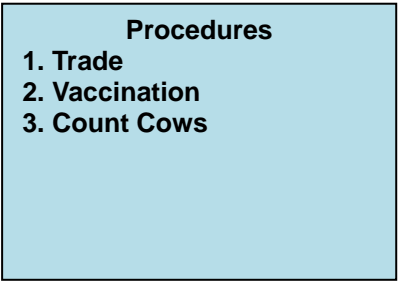| #	Terminal Screen	Descriptions for Key Operation and Summary
1	**Cow Registration** **Scanning for Cow's Tag …**	Point the terminal to cow's tag for identification
2	**Cow Identification** **ID# : 105500217811534** **Birthday : 01/01/2000** **Sex : M** **Weight(kg) : 500**	(If cow is registered) Show cow's information Enter key for finish

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| 3 | Cow Identification

No Information | (If cow is not registered)
Show No Information message
Enter key for finish |
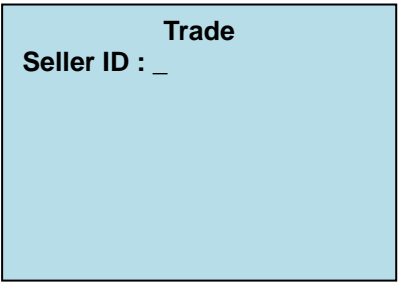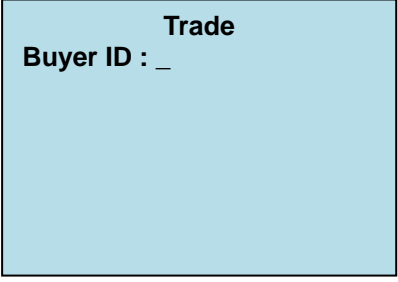
Farm Identification

#	Terminal Screen	Descriptions for Key Operation and Summary
1	**Farm Identification** **Owner : Hana Micron** **Address :** **1551 McCarthy Blvd STE** **201, Milpitas, CA 95035**	(If in farm area) Show farm information Enter key for finish
2	**Farm Identification** **No Information**	(If not in farm area) Show No Information message Enter key for finish

Procedures

#	Terminal Screen	Descriptions for Key Operation and Summary
1	**Procedures** **1. Trade** **2. Vaccination** **3. Count Cows**	* key for moving up # key for moving down 1 ~ 3 key for direct moving Enter key for selected menu

Trade

#	Terminal Screen	Descriptions for Key Operation and Summary
1	**Trade** **Seller ID : _**	Input seller ID Enter key for next step
2	**Trade** **Buyer ID : _**	Input buyer ID Enter key for next step

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#	Terminal Screen	Descriptions for Key Operation and Summary
3	**Trade** **Counting cows…** **Counted : 123**	Count cows and get cow's ID numbers while cows are passing through the gate Press **Enter** when finished
4	**Trade** **Seller ID : 123456** **Buyer ID : 456789** **Amount : 123** **Date : 04/06/2010** **Press Enter to confirm**	Confirm trade information Press **Enter** to confirm

Vaccination

#	Terminal Screen	Descriptions for Key Operation and Summary
1	**Cow Registration** **Scanning for** **Cow's Tag …**	Point the terminal to cow's tag to get ID numbers
2	**Vaccination** **Cow ID # :** **105500217811534**	Press **Enter** to continue

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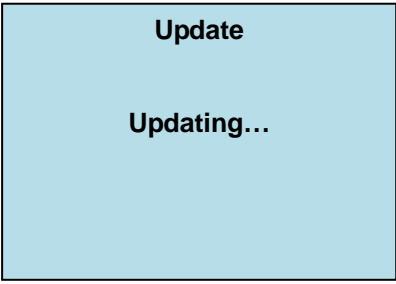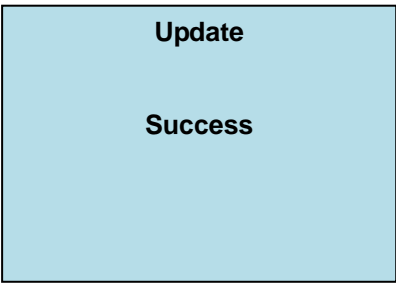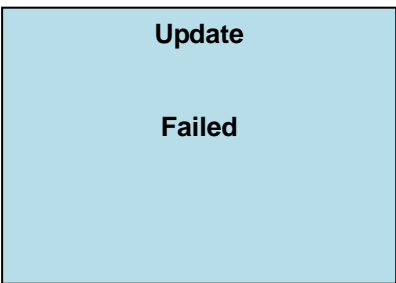
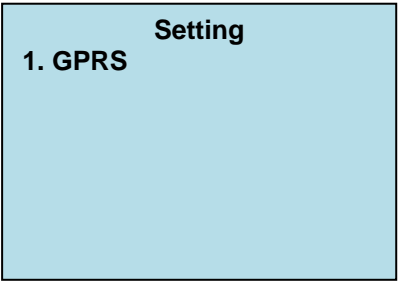| #	Terminal Screen	Descriptions for Key Operation and Summary
3	**Vaccination** **Vaccine ID : _**	Input the vaccine ID Press **Enter** to continue
4	**Vaccination** **SISBOV : 105500217811534** **Vaccine : 123456** **Date : 04/06/2010** **Press Enter to confirm**	Confirm the vaccination information Press **Enter** to confirm

Count Cows

#	Terminal Screen	Descriptions for Key Operation and Summary
1	**Count Cows** **Counting…** **123** **Reset : Clear**	Count number of cow tags in range Press **Clear** to reset Press **Enter** to finish
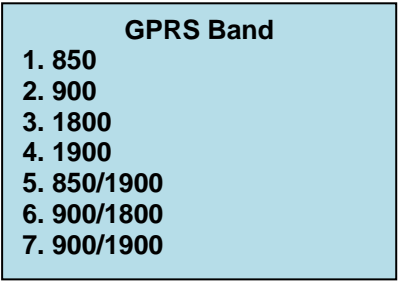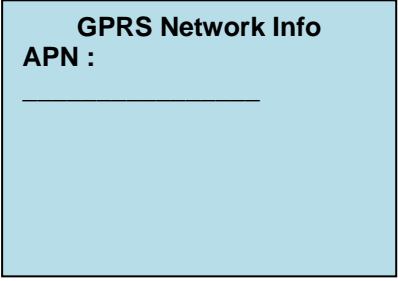
Update

#	Terminal Screen	Descriptions for Key Operation and Summary
1	**Update** **Updating…**	Send any updated information (Registration, Trade, Vaccination) to the server, if there is any
2	**Update** **Success**	(If success) Show success message Enter key for finish
3	**Update** **Failed**	(If fail) Show failed message Enter key for finish

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Setting

#	Terminal Screen	Descriptions for Key Operation and Summary
1	**Setting** 1. GPRS	GPRS setting only Enter key for selected menu

GPRS

#	Terminal Screen	Descriptions for Key Operation and Summary
1	**GPRS Band** 1. 850 2. 900 3. 1800 4. 1900 5. 850/1900 6. 900/1800 7. 900/1900	Select band of the network carrier and press **Enter**
2	**GPRS Network Info** APN : _____	Input APN and press **Enter**

3	**GPRS Network Info** **APN :** **epc.tmobile.com** **PPP ID :** _____	Input PPP ID and press **Enter**
4	**GPRS Network Info** **APN :** **epc.tmobile.com** **PPP ID :** **guest** **PPP P/W :** ____	Input PPP Password and press **Enter**
5	**Host Info** **Server IP : _**	Input server IP and press **Enter**
6	**Host Info** **Server Port : _**	Input server port and press **Enter**

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Key, ICON component of HIT 731-UHF

Void Key

**Power Key or
Settlement Key**

Keypad (0 ~ 9)

Cancel Key

Clear Key

Scroll Up

Scroll Down

Enter Key

ICON Component

SIM, Smart Card aux slot

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Smart Card Aux Slot 2   **SIM 2**
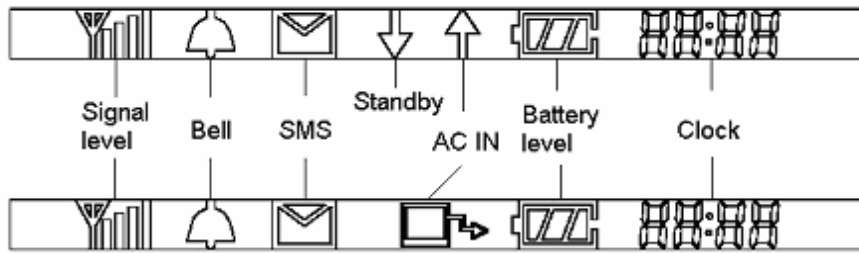
Smart Card Aux Slot 1   **SIM 1**

Troubleshooting

Problem	Cause	Follow-up measures
When Power On, LCD screen do not operation	Power supply error LCD contrast error Terminal error	Confirm a wall socket. Confirm connection Between a wall socket and power plug. Confirm power plug. Adjust LCD contrast. Request A/S.
LCD show too Dark or too Bright	LCD adjustment error LCD device error Terminal error	Adjust LCD contrast. Request A/S.
Paper is not clear	Printer head error Printer device error Bad paper Terminal error	Open the printer cover and Confirm printer device. Request A/S. * Paper keep in dry place.
When Printer pa per hanging on Printer device	Bad paper use Paper Insert error Terminal error	Use Up key. And eliminate the paper. Clean paper Insert. Request A/S.
Character is not normal at LCD screen	LCD error LCD device error Terminal error	Request A/S.
When card don't Read	Card Insert error Bad card use Terminal error	Confirm insert direction. Confirm card. Confirm magnetic line. Request A/S.
When pinpad do not operate	Pinpad error	Confirm connection between terminal and pinpad. Request A/S.
When time is not correct	TimeSetting is wrong Timer error	Time Setting. (Date & Time) Request A/S.

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