

HIT 731-UHF User's Manual



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 or 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.



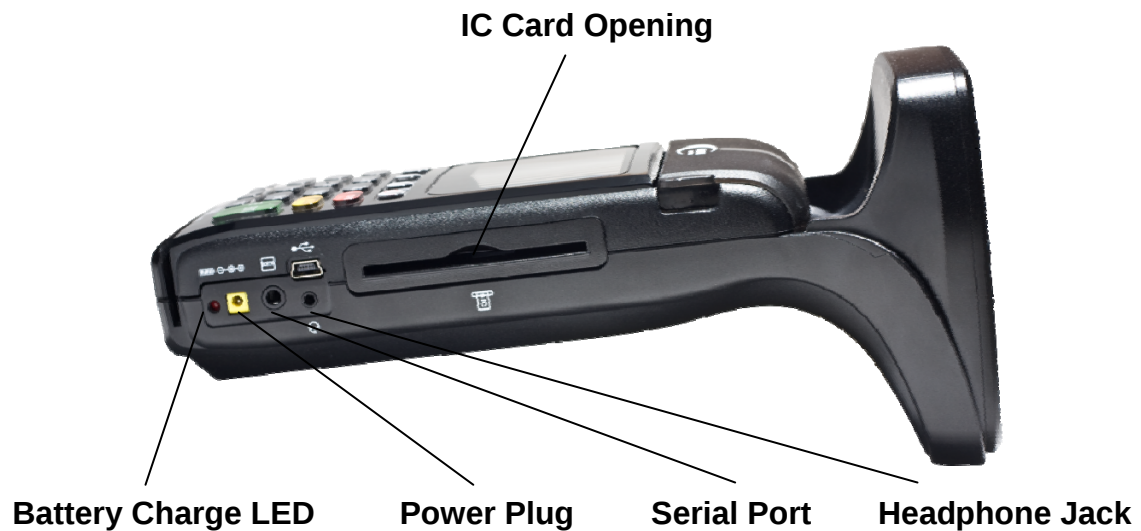
Do not attempt to service this terminal yourself, as opening or removing the cover may expose you to dangerous voltage. (refer all servicing to authorized personnel)



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

Product Component





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

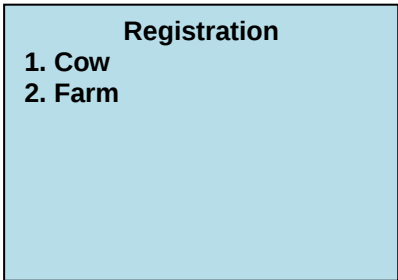
Start Screen

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

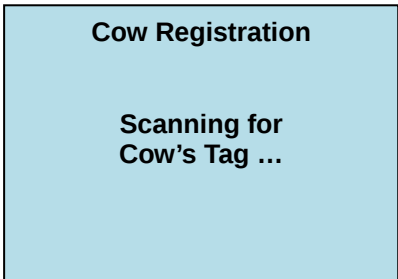
Main Menu

#	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

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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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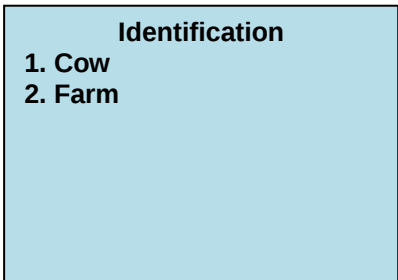
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1	Farm Registration Point #1 Latitude : [0.000000] Longitude : [0.000000] Press Enter to confirm	Go to the first corner of the premise and press Enter
2	Farm Registration Point #2 Latitude : [0.000000] Longitude : [0.000000] Press Enter to confirm	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

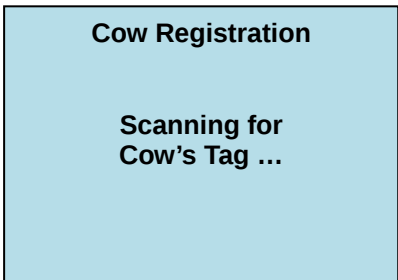
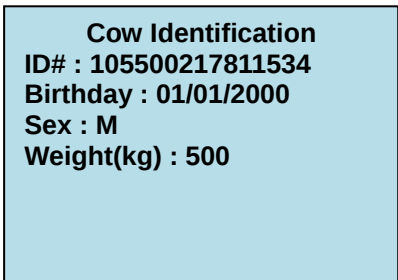
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4	Farm Registration Owner : Hana Micron Address : _____ _____	Input farm address Press Enter to continue
5	Farm Registration Owner : Hana Micron Address : 1551 McCarthy Blvd STE 201, Milpitas, CA 95035 Press Enter to confirm	Confirm information Press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

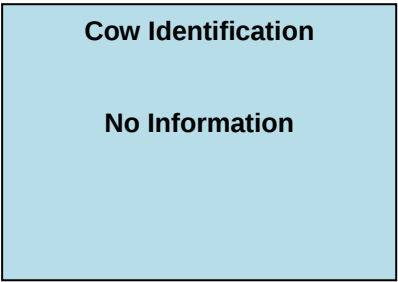
Identification

#	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

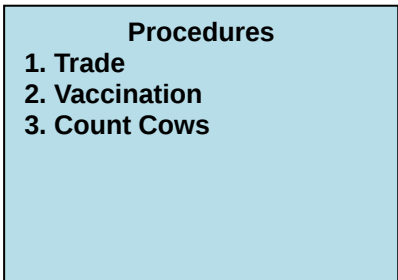
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3	 Cow Identification No Information	(If cow is not registered) Show No Information message Enter key for finish
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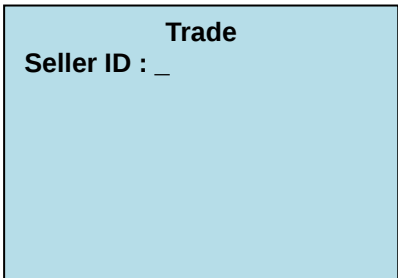
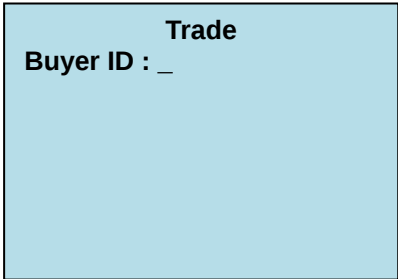
Farm Identification

#	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

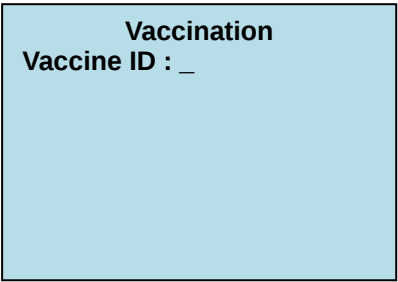
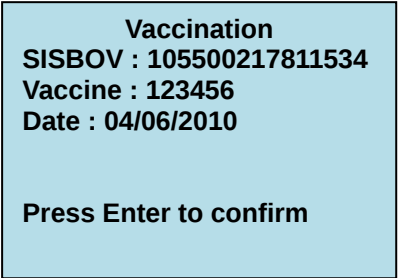
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3	Trade Counting cows... Counted : 123	Count cows and get cow's ID numbers while cows are passing through the gate Press Enter when finished
4	Trade Seller ID : 123456 Buyer ID : 456789 Amount : 123 Date : 04/06/2010 Press Enter to confirm	Confirm trade information Press Enter to confirm

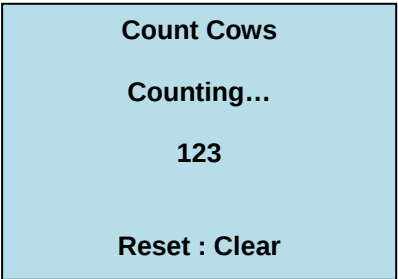
Vaccination

#	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

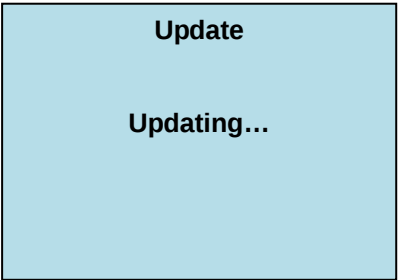
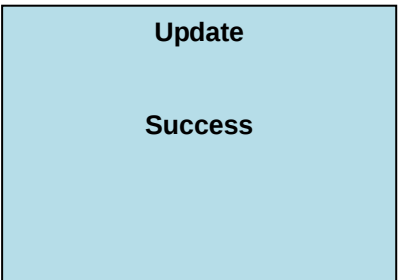
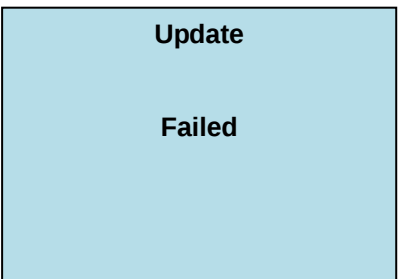
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3	 Vaccination Vaccine ID : _	Input the vaccine ID Press Enter to continue
4	 Vaccination SISBOV : 105500217811534 Vaccine : 123456 Date : 04/06/2010 Press Enter to confirm	Confirm the vaccination information Press Enter to confirm

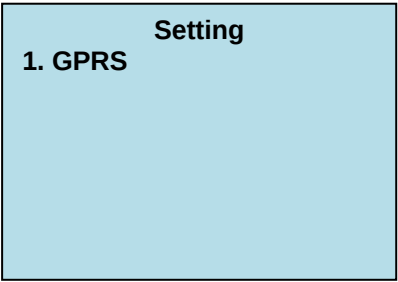
Count Cows

#	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

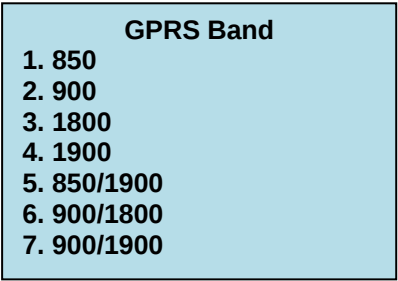
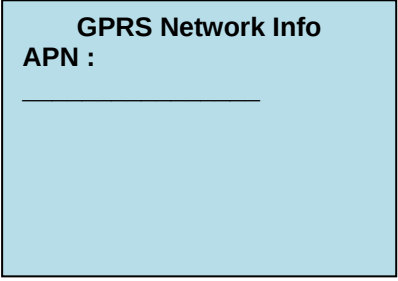
Update

#	Terminal Screen	Descriptions for Key Operation and Summary
1	 The terminal screen displays the word 'Update' at the top and 'Updating...' in the center, indicating the start of the update process.	Send any updated information (Registration, Trade, Vaccination) to the server, if there is any
2	 The terminal screen displays the word 'Update' at the top and 'Success' in the center, indicating the update was completed successfully.	(If success) Show success message Enter key for finish
3	 The terminal screen displays the word 'Update' at the top and 'Failed' in the center, indicating the update process did not complete successfully.	(If fail) Show failed message Enter key for finish

Setting

#	Terminal Screen	Descriptions for Key Operation and Summary
1	 The terminal screen displays the 'Setting' menu. At the top, the word 'Setting' is centered. Below it, '1. GPRS' is listed as the first option.	GPRS setting only Enter key for selected menu

GPRS

#	Terminal Screen	Descriptions for Key Operation and Summary
1	 The terminal screen displays the 'GPRS Band' menu. At the top, the text 'GPRS Band' is centered. Below it, a list of seven options is shown: 1. 850, 2. 900, 3. 1800, 4. 1900, 5. 850/1900, 6. 900/1800, and 7. 900/1900.	Select band of the network carrier and press Enter
2	 The terminal screen displays the 'GPRS Network Info' menu. At the top, the text 'GPRS Network Info' is centered. Below it, 'APN :' is followed by a blank line for input.	Input APN and press Enter

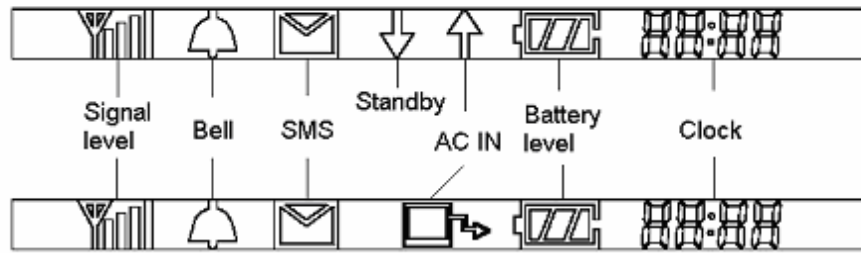
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3	GPRS Network Info APN : epc.tmobile.com PPP ID : _____	Input PPP ID and press Enter
4	GPRS Network Info APN : epc.tmobile.com PPP ID : guest PPP P/W : _____	Input PPP Password and press Enter
5	Host Info Server IP : _	Input server IP and press Enter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

Key, ICON component of HIT 731-UHF



ICON Component



SIM, Smart Card aux slot



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 paper 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.