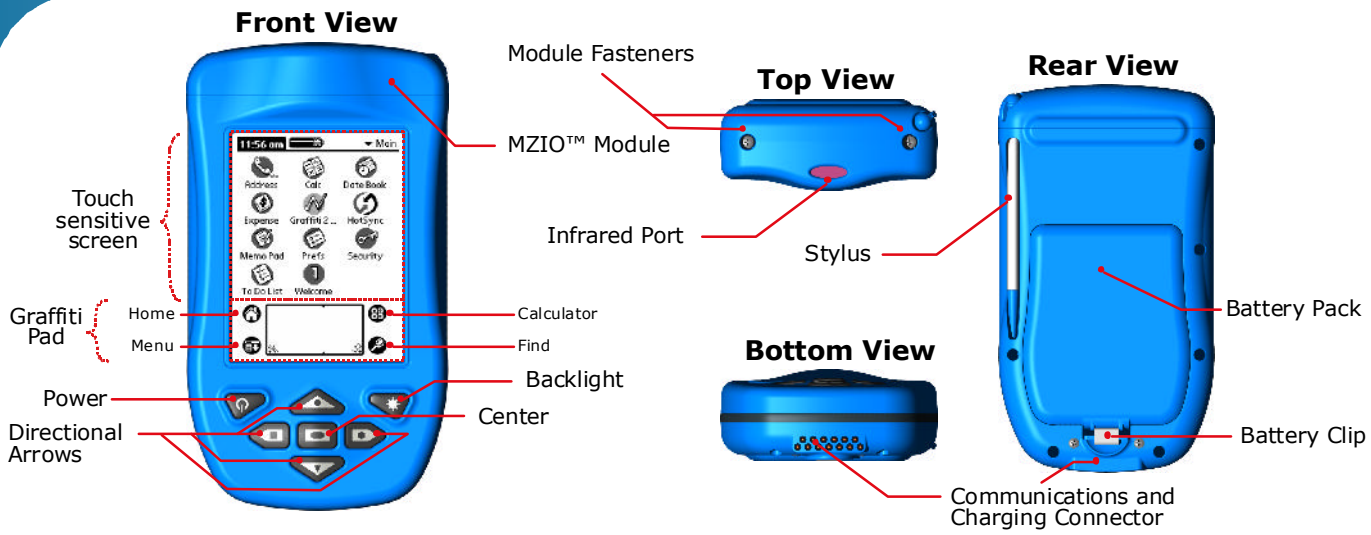
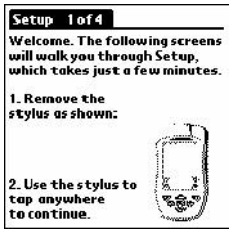
Quick Start Guide

ACEECA™



1. Setup



Meazura™ Setup
When powering up your Meazura™ for the first time, press the Power button and follow the on-screen instructions to setup the device. This includes calibration of the touch sensitive screen and setting your location, date and time. During this procedure, you can at your option take a Graffiti writing tutorial for entering text and special characters on your Meazura™.

PC Setup
To communicate between the Meazura™ and your PC, you must install 'Palm Desktop' located on your CD-ROM included with your kit.
1. Exit all programs, including those that may be running in the taskbar.
2. Insert the Meazura™ Software CD into your CD-ROM drive.
3. The install menu should appear automatically. If it doesn't then navigate to **'install_menu.exe'** located on your CD-ROM using Windows Explorer.
4. Follow the on-screen instruction for installing 'Palm Desktop'.

2. Connect

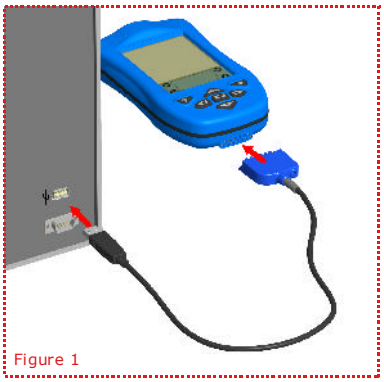


Figure 1

- Plug the Communications cable into a USB or Serial port on your computer (as pictured in figure 2a/b below).
- Connect the communications cable to the communication connector located at the bottom of the Meazura™ (as pictured in figure 1 left).
- Ensure the Meazura™ Desktop Software CD-ROM is inserted into your computers CD-ROM drive.
- Press the power button to turn on your Meazura™ and perform a HotSync operation following the instructions in step 4 to commence the driver install for your Meazura™.
- Follow all instructions on your PC and your Meazura™.

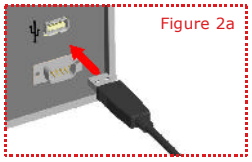


Figure 2a
USB Connection

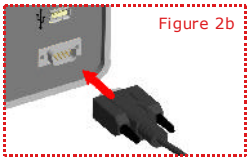


Figure 2b
Serial Connection

3. Charging

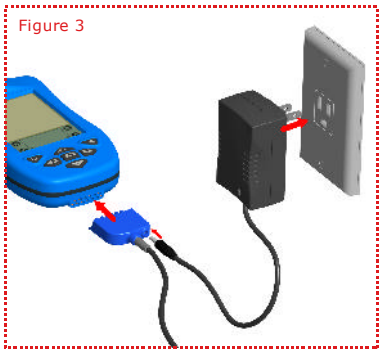


Figure 3

- Connect your AC adaptor to the bottom of your communications cable (as pictured below in figure 4).
- Connect the communications cable to the comms connector located at the bottom of your Meazura™ (as pictured below in figure 4).
- Ensure your connection setup is the same as pictured in figure 3 left to commence charging.

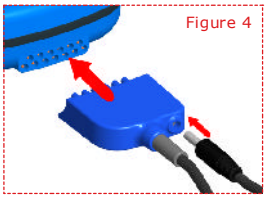


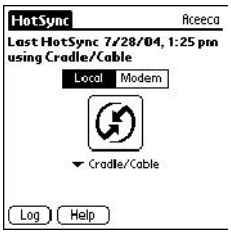
Figure 4

WARNING: For safety reasons, ensure the Meazura™ is completely dry before using the electrical charger.

(Charging time varies depending on battery level)

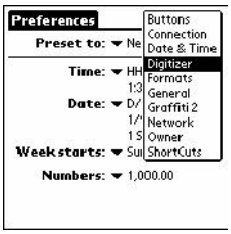
palm POWERED

4. HotSync®



- Ensure Palm Desktop software is installed on your computer (see step 1 'Setup')
- Connect the communications cable to your Meazura™ and your computer as per instructions over page in step 2 ('Connect').
- On your Meazura™ RDA, tap on the HotSync icon (as pictured left).
- Tap the large icon in the center of the screen to start the HotSync operation.
- Follow all instructions on your PC and your Meazura™.

5. Calibration



This procedure calibrates the touch sensitive screen on your Meazura™

- Tap on the 'Prefs' icon
- From the dropdown list, choose "Digitizer"
- Follow on-screen instructions

Other preferences for setting up your handheld can be found in the drop down list, such as "Date and Time". To adjust these extra settings, simply tap the setting choice in dropdown list and follow the on-screen instructions.

6. Resetting

Soft Reset
(no loss of data)

Press and release Power and Backlight button together

Hard Reset
(restores Meazura™ to factory settings)

1.

2.

1. Press and hold the Power and Backlight button together then release the Backlight button only
2. Release the Power button when the Palm Powered logo appears
3. Follow on-screen instructions

7. Contrast/Backlight

Backlight
To turn on the backlight, press the Backlight button (pictured right)

Contrast
To adjust the contrast of the screen, hold the backlight button for 1.5 seconds to bring up the contrast slider on-screen (as pictured left).

- Use your stylus to drag the slider bar until you reach your desired contrast, then click 'Done'.

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EDiT iD Ruggedised Palm Reader Installation Guide

Before you start

The Aceeca Palm must have a BigROM Version of **MEZ1000503rc3.6 or later** to operate the EDIT iD Ruggedised Palm Reader. You can check the version of BigROM your Palm is operating by:

1. Selecting “Device Info” on the main menu.

2. Next to the “BigROM” heading the version of BigROM is displayed. It must be **MEZ1000503rc3.6 or later**

If you do not have or are unsure if you have BigROM **MEZ1000503rc3.6 or later** call your Aceeca dealer for an upgrade.

FCC Statement - FCC ID: RAL-0403

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

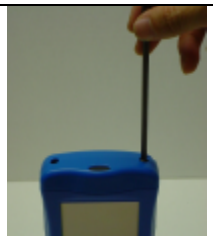
Note: The manufacturer is not responsible for any Radio or TV interference caused by unauthorised modifications to this equipment. Such modifications could void the user’s authority to operate the equipment.

What you need

Your Aceeca Palm
EDiT iD Ruggedised Palm Reader with the two screws
Pozi Drive or Torx Screwdriver to remove existing head (if supplied)
Square Head 00 Screw Driver (Adjustable Torque Screwdriver, if available)

How to Install the EDiT iD Ruggedised Palm Reader

Important: Before carrying out any of the below steps ensure your Palm and your hands are clean and dry and the Palm is turned off.

If your Palm has been supplied without a standard IR head, please skip steps 1 to 3 ! 1. Remove the stylus from the slot in the Palm and place it aside.	
2. Using a Pozi Drive Screwdriver remove the two screws from the top of the Palm.	
3. Carefully remove the existing Palm insert from the top of the Palm.	
4. Holding the blue top of the EDiT iD Ruggedised Palm Reader, carefully insert it with the “EDiT iD” logo facing the same side as the Palm screen.	
5. Press carefully so that the EDiT iD Ruggedised Palm Reader is completely sealed around the top of the Palm.	
6. Use a Square Head Screw driver, insert the two longer screws provided into the top of the EDiT iD Ruggedised Palm Reader. **Note: To maintain the water and dust proof seal, tighten the screws to 40cNm (or .4Nm) with the adjustable torque screwdriver.**	
DO NOT OVER TIGHTEN THE SCREWS AS THIS MAY DAMAGE THE EDiT iD RUGGEDISED PALM READER OR YOUR PALM.	

EDiT Ruggedised RFID Palm Reader and Aceeca Ruggedised Palm

EDiT Ruggedised Palm Reader

Robust

- Waterproof in up to one meter of water
- Dustproof
- Withstands impacts on rough jobs
- Ideal for farm or industrial use

One Fully Integrated Unit

- Easily carried and handled in the field
- 128MB non-volitile memory ensures data security during power loss
- Reads both HDX and FDX-B agricultural ISO tags up to 140mm from the head of the Palm
- 125kHz industrial reader option available

Software Is Available For Immediate Use With ISO 134.2 Khz Tags

- View animal info quickly by scanning the EID tag or with a visual search
- With six data entry fields you can enter and save your most important data
- All data is saved to Non-Volatile memory for peace of mind
- Data is transferred between your Palm and Excel Spreadsheets on your PC

Software Development Notes Available

- The EDiT Ruggedised Palm Reader can operate on Palm OS Meazura software with the appropriate development

Aceeca Ruggedised Palm and EDiT Ruggedised Palm RFID Reader

For more information contact EDiT iD

Phone +64 9 270 2480 Email: info@editid.co.nz Internet: www.editid.co.nz

EDiT Ruggedised Palm RFID Reader Specifications

Specifications	Description
Additional Memory in Reader	Non - Volatile 128 megabytes Flash Memory
134.2 kHz EDiT Palm Reader Performance	HDX Read Range: 140mm from head of Palm FDX-B Read Range: 140mm from head of palm
125 kHz EDiT Palm Reader Performance	HDX Read Range: 140mm from head of Palm FDX-B Read Range: 140mm from head of palm
Standards & Compliance	ISO Standards 11784 & (partial) 11785 AS/NZS 4268:2003 ETSI EN 300330-2, V1.1.1, 2001 FCC 47 CFR Part 15 Subpart C (refer to warnings below)
Software Integration Ability	EDiT Tag Recorder Practical Systems Stock Hand Software Development Notes available: info@editid.co.nz

EDiT Tag Recorder Software Specifications

Specifications	Description
Information Storage per Animal per File:	Two **Compulsory** and Six **Customisable** Fields
Compulsory Fields Detail	Electronic ID (EID): ISO EID number only - Entered by scanning EID tag or PC download Visual ID (VID): Alpha numeric, up to 12 digits - Entered by Palm entry or PC download
Customisable Fields Detail	Alpha numeric, up to 12 digits - Entered by Palm entry or PC download User Entered Headings Optional Repeat Function
Total Animals per File	Up to 999 animals
Total Files Stored	Up to 128MB of storage space
Animal Search Options	**Reading an EID Tag** Displays all animal details within the open file **Visual Tag Search** From list or user entered value Displays all animal details within the open file
PC Interface	Palm OS Hot Sync Manager by default Proprietary PC Software converts Palm database files to comma separated values (CSV) file and visa versa CSV files can be opened directly to PC Excel spreadsheet
Data Storage on the Palm	All data is saved to 128MB of Non-Volatile memory

Specifications subject to change at any time. Please contact EDiT iD for latest revision. Rev: 0403-5.04-110706

Aceeca Ruggedised Palm and EDiT Ruggedised Palm RFID Reader

For more information contact EDiT iD
Phone +64 9 270 2480 Email: info@editid.co.nz Internet: www.editid.co.nz

Aceeca Ruggedised Palm Specifications

http://www.aceeca.com

Specifications	Description	Remarks
Operating System	Palm OS® 4.1.2	Upgradeable to Palm OS® 4.x.
Microprocessor	33MHz Motorola DragonBall-VZ	
Memory		
Volatile	16 megabytes SDRAM	Approx 15MB available to user.
Non – Volatile	4 megabytes Flash	Approx 2MB available to user.
Expansion	via MZIO™ bus	Supports multiple formats.
Display		
LCD Type	FSTN (TDF) grayscale	
Resolution	160 x 160 pixels	
Viewable Area	56mm (W) x 56mm (H)	
Touch Screen	Analog Resistive	
Backlight	Electro luminescent	
Communications		
USB	1 megabyte / sec	
Serial (RS232)	1200 to 115200 bits / sec	
Infrared (IrDA)	1200 to 115200 bits / sec at 1meter	
Comms Connector	13 pin - custom gold plated pins	Cradle or communications cable.
MZIO™ Expansion Slot	68 pin - multi format support - used by EDiT Reader when attached	Includes: Parallel Interface, UART x 2, SPI Master / Slave.
Battery		
Type	Lithium Ion, custom battery pack	Rechargeable.
Voltage	3.6V nominal	
Capacity	1900 mAh	
Protection	Over charge / discharge and thermal	
Charging Current	1.2A (maximum)	Via cradle or comms cable.
Charging Input	9V DC nominal	Use only charger supplied.
Mechanical		
Dimensions	169.5mm (L) x 94mm (W) x 39mm (H)	
Weight	430gm (approx)	
Environmental		
Operating Temperature	32°F to 122°F (0°C to 50°C)	
Storage Temperature	14°F to 140°F (-10°C to 60°C)	
Humidity	5% to 90% relative humidity	Non-condensing.
RFI / EMC	CSPR22, CSPR24	RF emissions & ESD immunity.
FCC	47 CFR Part 15, Class A	
CE	EU EMC Directive	
Sealing	IP67	Submersible to 1 meter (30 min).
Current Consumption		
Power on	21mA typical	Meazura only - backlight off.
Full System	60mA typical	Backlight on.
Sleep Mode	1 to 2mA typical	

Specifications subject to change at any time. Please contact Aceeca for latest revision. Rev: 111803-1531

Aceeca Ruggedised Palm and EDiT Ruggedised Palm RFID Reader

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