

# TAGMASTER



## Tagmaster Anilog 3060

### Instructions

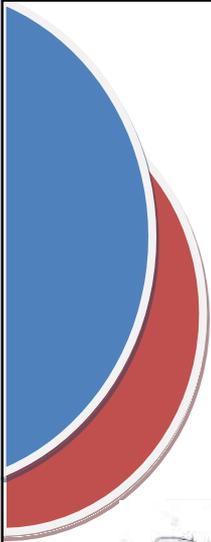


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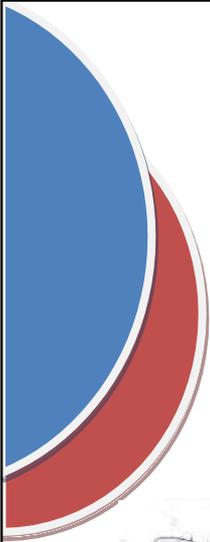
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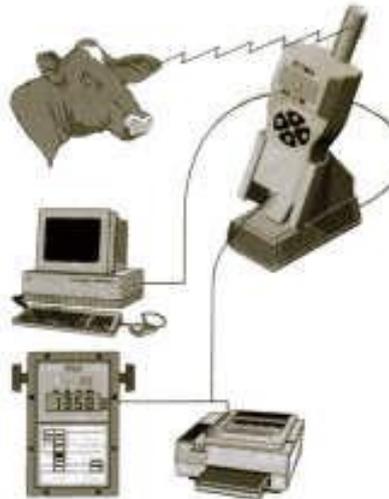
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## About the Anilog 3060



The Anilog 3060 is hand-held radio frequency identification (RFID) reader designed to simplify the recording and management of livestock identification in the field. Each animal carries a special tag which has a unique electronic identification (EID) number. The Anilog 3060 recognises this tag and can thus identify each animal. The 3060 can be used to read any international standards organisation (ISO) electronic ear tag on any animal

The stockman can record information about the animal on the 3060's internal history log. This data can then be transferred to the computer database where records for all the stocks are stored.



If desired the 3060 can also be connected via a cable to a printer or an electronic weighing machine. Information can be automatically transferred from the weighing machine to the 3060.

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## Anilog main parts



### Arrow Keys

Use to scroll up and down the list on the LCD display.

### Antenna

This receives the radio signals from the animal's ID tag, enabling individual identification of each animal.

### On/Off Button

Use to switch the unit on and off.

### LCD Display

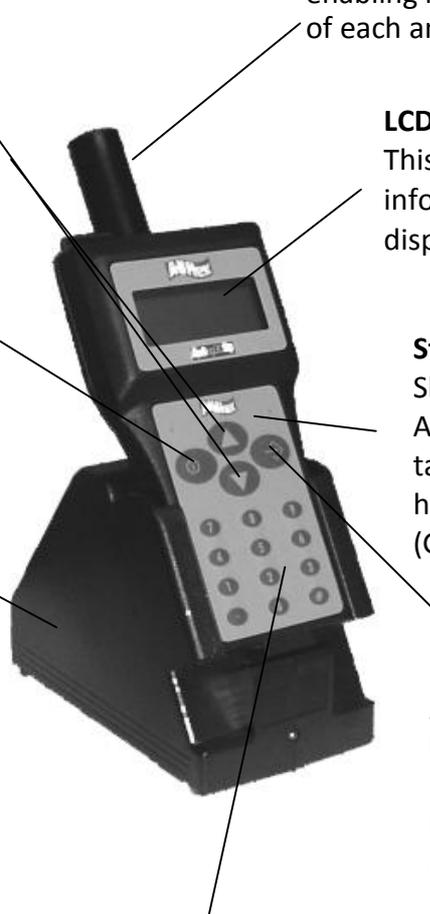
This is where all information will be displayed.

### Status LED

Shows whether the Anilog is waiting for a tag (RED flashing) or has just read a tag (GREEN flashing).

### Cradle

This is where the Anilog is placed to re-charge the battery. Also used to communicate with a PC via the supplied cable. The cradle has a second charger on the reverse of the unit allowing



### Select Key

Used to select options and to store information entered on the keypad.

### Numeric Keypad

Standard 0 - 9 and # keys allows manual input of information.

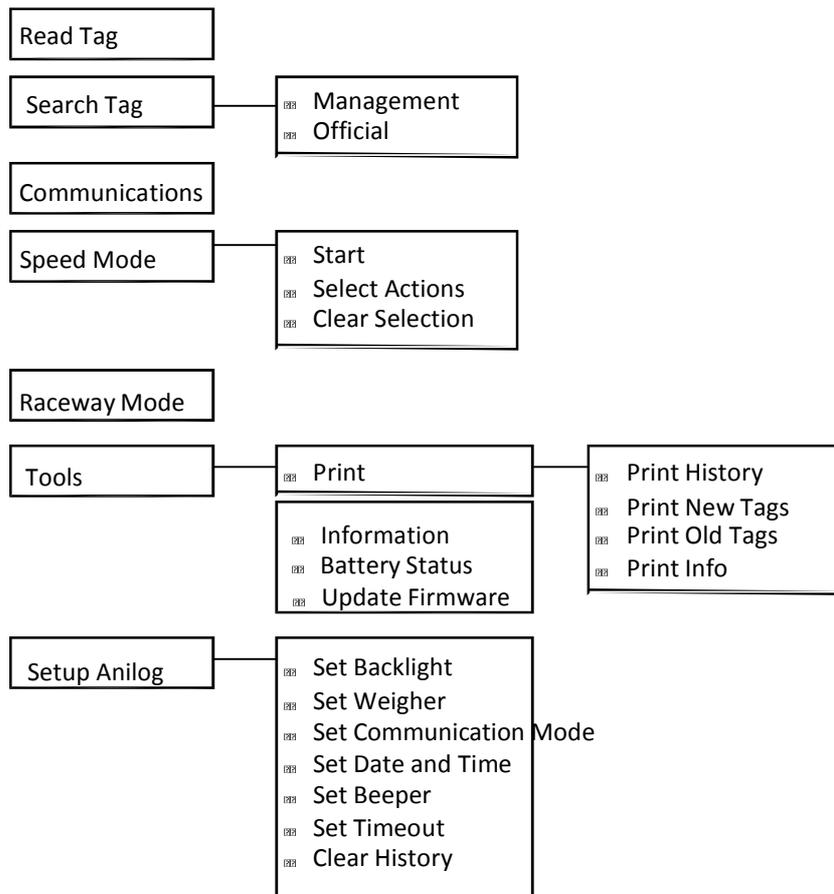
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## Menu Structure



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## Navigation

The Anilog 3060 uses four main buttons to navigate it's menu structure



	Switches the Anilog 3060 on and off. Also used to close any option or sub menu
	Scroll up a list of options
	Scroll down a list of options
	Select an option
	Moves through lists when you scroll, indicates the option selected.

## Getting Started

*To switch the Anilog on:*

☒ Press  the main menu is displayed

*To switch the Anilog off:*

☒ Press and hold  (any data you stored will be automatically saved)

To conserve power the Anilog 3060 switches off automatically, this feature is user definable and can be specified from the menu

*To set Anilog timeout*

1. Press  to power on the Anilog

1. Press  to move through the main menu

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## To set Anilog timeout (cont)

3. When you reach SETUP ANILOG press 
4. Press  to move down to SET TIMEOUT, press 
5. The screen displays the current Tag Read Timeout, if necessary Use the arrow keys to increase or decrease the time displayed, press 

The Tag Read Timeout dictates how long the Anilog will wait in READ TAG mode before automatically switching off.

6. A brief message is displayed confirming the new setting, the System Timeout screen is displayed. If necessary use the arrow keys  to increase or decrease the time displayed. Once satisfied press 

The System Timeout dictates how long the Anilog will remain turned on if inactive

7. A brief message is displayed confirming the new setting. You are then returned to the main screen.

## Time and Date

The time and date must be set correctly before any tags are read, this is because the Anilog uses this information when storing the tag details.

### To set Time and Date

1. Press  to power on the Anilog
2. Use the Keypad arrows to scroll through the menu until you reach SETUP ANILOG. Press 
3. Use the keypad arrows to scroll until you reach SET DATE & TIME, press 
4. The SET DATE screen is displayed. Use the keypad arrows to change the displayed day, once the correct day is displayed press  to move to month. Repeat this process for the year, hours and minutes.

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## Choosing a Weigh Method

If you are recording an animal's weight it is essential that you set the method before commencing. There are two methods of weighing the animals, automatically by choosing the ELECTRONIC option or manually by choosing the KEYPAD ENTRY option.



*To set the weigher:*

1. Press  to power on the Anilog
2. Use the keypad arrow keys to move through the menu. When you reach SETUP ANILOG press 
3. Using the arrow keys again find SET WEIGHER and press 
4. Select your method using the arrow keys and press 
5. A brief message appears confirming your choice
6. Press  to return to the main menu

## Choosing a Communication Method

To transfer data captured in the field to your animal database on the PC, you need to place the Anilog in the cradle to allow the PC to make contact with the Anilog, this enables data transfer. The Communication mode for this transfer needs to be specified before the Anilog and PC can communicate

*To set Communication mode:*

1. Press  to power on the Anilog
2. Scroll through the menu using the arrows keys until you reach SETUP ANILOG, press 
3. Scroll until you reach SET COMMUNICATION MODE, press 

*To set Communication mode (cont):*

There are four communication modes; DEFUALT, TERMINAL, CUSTOM AND TI S2000. The Anilog should always be in DEFAUKLT mode unless otherwise instructed.

6. Once you have selected a Communication mode you will be returned to the Main menu.

### **Specifying the EID tags used**

The Anilog works with three different types of EID tags, before starting logging You should specify the tags used on your animals.

*To set the EID mode:*

1. Press  to power on the Anilog
2. Scroll through the menu until you reach SETUP ANILOG, press 
3. Find SET EID MODE and press 
4. The Set EID Mode sub menu is displayed, scroll through the choices to select your choice, press 
5. Once you have selected a Communication mode you will be returned to the Main menu.

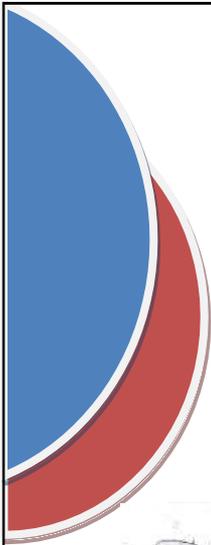
**Note:** *If you are unsure of the type of EID tags you are using then please contact your supplier.*

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## Log an Action

1. Press  to power on the Anilog
2. Select READ TAG from the menu by pressing 
3. The message WAITING FOR EID TAG is displayed and the status LED flashes red, point the Anilog antenna towards the ID tags and you should hear 3 beeps. This indicates the ID tags has been read

*Tip! Optimum performance can be achieved by keeping clear of other electrical equipment and other ID tags when using the Anilog*

The Anilog will search its internal database:

4. If a matching tag is found, the animal's ear tag number, management number, EID number and number of histories are displayed.
5. If no matching tag is found, the tags EID number is displayed, you must type a management number using the keypad. Press  to confirm the management number
6. To log an action against the tag press , all available actions are displayed either in the main list or by selecting ALL ACTIONS
7. Scroll through your actions and press  once to select that action. You can select as many actions as you require up to a maximum of 255 per animal
8. Once you have selected your required actions press  to store them.

*Note: The actions available in the Anilog depend on the actions that you downloaded from the Anidata software.*

## Dealing with New Borns

As well as storing the EID number of the new born, the Anilog allows you to store other data against the animal's record. This is particularly useful as it saves having to manually write information down when tagging the animal

For all New Born choices you must start by reading the tag



1. Press  to power on the Anilog
2. Select READ TAG from the menu by pressing 
3. The message WAITING FOR EID TAG is displayed and the status LED flashes red, point the Anilog antenna towards the ID tags and you should hear 3 beeps. This indicates the ID tag has been read
3. Enter a management using the keypad and press  to store. The EID and management number will be displayed along with any histories (although this should be 0)
4. Press  again to be taken to the actions menu

### *Born F or Born M*

1. Use the arrow keys to select either BORN F or BORN M and press 
2. You are now asked to  enter the animal's official number. Use the keypad to do this and press  to store. Once the number has been stored you will be taken back to the actions menu
3. You can choose another action if required or press  to store the action

## *Colour/Breed*

1. Use the arrow keys to select the COLOUR/BREED action and press 
2. Use the arrow keys to select the breed (these are pre-selected in Anidata). Press  to store the breed.
3. Use the arrow keys to select the colour (these are pre-selected in Anidata). Press  to store the colour.
4. You can choose another action if required or press  to store the action

## *Link to Dam*

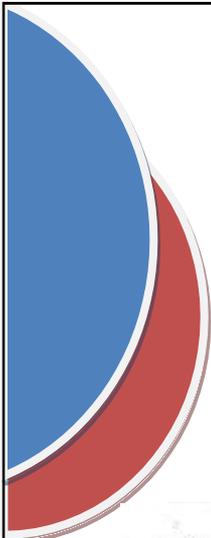
If the DAM is nearby and you are able to read the EID tag of the DAM then do the following. If this is not possible then see *Link to DAM (no EID)* below.

1. Use the arrow keys to select the LINK TO DAM and press 
2. Read the EID tag of the DAM. The number will be stored and you will be taken back to the actions menu

## *Link to Dam (no EID)*

1. Use the arrow keys to select the LINK TO DAM and press 
2. Press and hold the # key.
3. Use the arrow keys to choose either OFFICIAL or MANAGEMENT and press 
4. Enter the 1st few digits of the animal number. This will search the Anilogs database for the correct DAM
5. Once found press  to store the DAM against the new born

*Note. If the dams number is not found then this needs to be downloaded to the Anilog*



## Birth Weight

*Note: Before entering the animal's weight at birth you must have KEYPAD ENTRY selected in the setup weigher menu (see page 7 for details)*

1. Use the arrow keys to select WEIGH and press 
2. Enter the weight using the keypad and press  to store the info.
3. You will be taken back to the actions menu

Once you have logged all actions that you require simply press  to return to the read tag mode

## Bought From

When you buy an animal from an external source the Anilog allows you to store its official information against the EID tag

*To store information against a bought in animal*

1. Press  to power on the Anilog
2. Select READ TAG from the menu by pressing 
3. The message WAITING FOR EID TAG is displayed and the status LED flashes red, point the Anilog antenna towards the ID tags and you should hear 3 beeps. This indicates the ID tag has been read
3. Enter a management using the keypad and press  to store. The EID and management number will be displayed along with any histories (although this should be 0)
4. Press  again to be taken to the actions menu 
5. Use the arrow keys to select the BOUGHT FROM action, press 
6. Use the keypad to enter the animal's official number. Press  to store the information. You will be taken back to the actions menu.

## Quantifiable Actions

The Anilog allows quantifiable actions to be entered against animals. This is particularly useful when drug actions are involved. You can enter the exact quantities administered to the animal(s) instead of a standard amount.

### *To store quantifiable actions*

*Note: You must make sure you have downloaded the quantifiable actions to the Anilog before proceeding.*

1. Press  to power on the Anilog
2. Select READ TAG from the menu by pressing 
3. The message WAITING FOR EID TAG is displayed and the status LED flashes red, point the Anilog antenna towards the ID tags and you should hear 3 beeps. This indicates the ID tag has been read
3. If the number is found then press  to be taken to the actions menu else enter a management using the keypad and press  to store.
4. Press  again to be taken to the actions menu (if not already there)
5. Use the arrow keys  to select the QUANTIFIABLE action which you have downloaded, press
6. Enter the  quantity you require for the action. E.G 2.5 for a drug action and press  to store the information
7. Once you are finished press  to log the action

*Note: In order for this to work you must have a quantifiable action created and downloaded to the Anilog*

## Search Mode

Use search mode to view details of previously logged or absent animals

1. Press  to power on the Anilog
2. Scroll through the menu until you reach SEARCH TAG, press 
3. Select either OFFICIAL or MANAGEMENT by scrolling through the two choices and pressing 
4. All the official or management logged tags are displayed, use the keypad to type the first few digits of the tag you want to find.

*Tip! As soon as you type a number the Anilog filters all the available tags and only display the tags containing the typed digit*

5. Use the arrow keys to find the matching tags, press  to select a tag and views its details.
6. To return to the main menu press  twice

## Communications Mode

To enable the Anilog to upload and download to a PC you must first place it in the supplied cradle and switch it into COMMUNICATIONS mode.

1. Connect the cable to the serial port at the back of the cradle and plug the cradle's power socket into the mains.
2. Connect the other end of the PC cable to a serial port on the PC

Anilog cradle



RS232 Cable



Back of PC



*Communication mode cont*

3. Press  to power on the Anilog
4. Scroll through the menu until you reach COMMUNICATIONS, press  COMMUNICATIONS MODE will be displayed on screen
3. Place the Anilog into its cradle and use the Anilog software to upload/Download the data

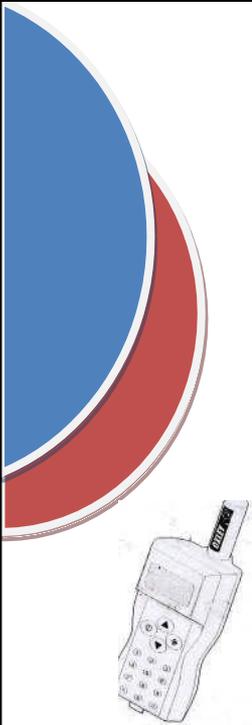
*Note: See the Anidata ES user manual for more details*

## Speed Mode

Use the speed mode to log an action(s) against multiple tags.

*To log actions against multiple animals:*

1. Press  to power on the Anilog
2. Scroll through the menu until you reach SPEED MODE and press 
3. A menu is displayed which allows you to clear the currently selected actions by selecting CLEAR SELECTION. If you choose this option you will be asked to confirm that you want to clear the current actions. On confirmation you will be returned to the SPEED MODE menu
4. Choose SELECT ACTIONS and scroll through the list of actions (or select ALL ACTIONS to view more available. Press  once against the actions against you requires. An asteroid will appear next to the selected action. Repeat as necessary. 
5. When you have selected all the required actions press  to return to the SPEED MODE menu (you may have to press this twice)
6. Scroll until you reach START and press 



To log actions against multiple animals (cont):

7. WAITING FOR EID TAG will be displayed. Read the first tag and press  to store  the tag details and all actions selected in speed mode.
8. Press  to read the next tag
9. When you have finished reading all the tags press  twice to return to the speed mode menu or three times to return to the main menu

## Tools Mode

The tools menu gives you access to the following options:

### Print

The Anilog can print the history log, new tag log, old tag log or setup information to a local serial printer.

**Note:** To connect the Anilog directly to a printer you will need a printer specific cable, see your local supplier for details. Alternatively you can use a third party software I.E. Hyper-Terminal to capture and print the data.

To print information:

1. Press  to power on the Anilog
2. Scroll through the menu until you reach TOOLS and press 
3. Find the PRINT menu and press 
4. You have four options; PRINT HISTORY, PRINT NEW TAGS, PRINT OLD TAGS and PRINT INFO. Select your required option and press 
5. A message will appear on the screen saying press LOG (  ) to print or any other key to return to previous menu. Do as required
6. Press  once to return to the TOOLS menu or twice to return to the main menu.

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## Battery Status

This option displays the remaining life of the battery and the charge voltage required

*To access battery information:*

1. Press  to power on the Anilog
2. Scroll to the TOOLS menu and press 
3. Scroll to BATTERY STATUS and press.  The current battery status will be displayed on screen
4. Press  once to return to the TOOLS menu or twice to return to the main menu.

## Update Firmware

This option allows the software on the Anilog to be update.

*To update the firmware:*

1. Press  to power on the Anilog
2. Scroll to the TOOLS menu and press 
3. Scroll to UPDATE FIRMWARE and press  WAITING FOR FIRMWARE UPDATE will be displayed on screen
4. Place the Anilog in its cradle and make sure all cables are connected for communications
5. Start the firmware update by running the Update Firmware software

**Note:** *This Update Firmware software will not be supplied as standard. Please contact your supplier for more details.*

### IMPORTANT:

During update **DO NOT REMOVE** or **SWITCH OFF** the Anilog as this may cause serious damage.

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## Setup Anilog

The setup menu allows you to specify how the reader operates

### Backlight

There are four intensity levels that the backlight on the Anilog can be set to. The choice is down to you.

*To set the backlight*

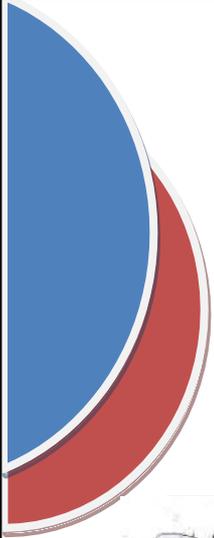
1. Press  to power on the Anilog
2. Scroll through the menu until you reach SETUP ANILOG, press 
3. Press  to select SET BACKLIGHT
4. Scroll through the four choices and select the desired option by pressing . You will be returned to the main menu once you have made your selection

### Weigher

The set weigher option allows you to choose the method intended for use either when transferring tag IDs to the weigher or when transferring weights to the Anilog. Alternatively you can choose to enter the weight manually via the keypad

*To set the weigher:*

1. Press  to power on the Anilog
2. Scroll to the menu until you reach SETUP ANILOG, press 
3. Scroll through the next menu until you reach SET WEIGHER, press 
4. Select either ELECTRONIC or KEYPAD ENTRY by scrolling down the choices and pressing 
5. A brief message will be displayed confirming your choice. Press  to return to the main menu.



### Communication Mode

This option allows you to select the mode you intend to use to communicate with the PC. There are four modes available; DEFAULT, CUSTOM, TERMINAL AND TI S2000. The Anilog should always be used in default mode unless otherwise instructed.

*To set the Communication mode:*

1. Press  to power on the Anilog
2. Scroll through the menu until you reach SETUP ANILOG, press 
3. Scroll through the menu until you reach SET COMMUNICATION MODE and press 
4. Scroll through the four choices and select the desired option by pressing . You will be returned to the main menu once you have made your selection

### Date and Time

This option allows you to change the Anilogs system time and date. It is very important that the Anilog is using the correct date.

*To set date and time:*

1. Press  to power on the Anilog
2. Scroll to the menu until you reach SETUP ANILOG, press 
3. Scroll through the next menu until you reach SET DATE AND TIME, press 
4. Use the keypad arrows to increase, decreased until the correct day is displayed, press  to move to the month field.
5. Repeat the above process for the year and time.
6. Press  to return to the main menu

## Beeper

The beep that the Anilog makes whenever a choice is made can be turned on or off depending on your personal preferences

*To set the beeper:*

1. Press  to power on the Anilog
2. Scroll through the menu until you reach SETUP ANILOG, press 
3. Scroll through the menu until you reach SET BEEPER and press 
4. Select your desired choice and press 

## Timeout

This option dictates how long the Anilog system remains switched on if not in use and how long the system remains in read tag mode before timing out

*To set timeout:*

1. Press  to power on the Anilog
2. Scroll to the menu until you reach SETUP ANILOG, press 
3. Scroll through the next menu until you reach SET TIMEOUT, press 
4. The screen displays TAG READ TIMEOUT, if necessary use the arrow keys to change, press  to confirm your choice.

The Tag Read timeout dictates how long the Anilog will wait in READ TAG mode before switching off.

4. The screen displays SYSTEM TIMEOUT, if necessary use the arrow keys to change, press  to confirm your choice

The System timeout dictates how long the Anilog remains on when inactive.

### Clear History

This option allows you to remove all the data previously uploaded from the Anilog to the PC, thus creating more data storage

*To clear the history:*

1. Press  to power on the Anilog
2. Scroll through the menu until you reach SETUP ANILOG, press 
3. Scroll through the menu until you reach CLEAR HISTORY and press 
4. You are asked to confirm if you want to clear the history. Press  if you are sure. You will be taken back to the main menu once you have made your choice

### Clear Tags

This option allows you to remove all the current stored data from the Anilog.

*To clear the tags:*

1. Press  to power on the Anilog
2. Scroll through the menu until you reach SETUP ANILOG, press 
3. Scroll through the menu until you reach CLEAR TAGS and press 
4. You are asked to confirm if you want to clear the tags. Press  if you are sure. You will be taken back to the main menu once you have made your choice

Note: If you clear the history or tags you will not be able to retrieve them again.

### EID Mode

This option allows you to specify the type of electronic tags you have used on your animals



To set the EID mode (cont):

1. Press  to power on the Anilog
2. Scroll through the menu until you reach SETUP ANILOG, press 
3. Scroll through the menu until you reach SET EID MODE and press 
4. Select your choice from the options listed and press 

## Contrast

This option allows you to set the contrast on the Anilog.

To set the contrast:

1. Press  to power on the Anilog
2. Scroll through the menu until you reach SETUP ANILOG, press 
3. Scroll through the menu until you reach SET CONTRAST and press 
4. Use the arrow keys to select you desired settings. 20 is the lightest while 0 is the darkest. Press  to confirm your selection

## Manual Tag Entry

This option allows you to decide if tags are to be automatically registered with their EID number or manually entered using a reference number

To set tag entry mode:

1. Press  to power on the Anilog
2. Scroll through the menu until you reach SETUP ANILOG, press 
3. Scroll again until you reach MAN TAG ENTRY, press 

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To set tag entry mode (cont):

4. Select the required entry and press 

There are two methods of entering the animals tag number, automatically by choosing AUTOMATIC or manually by choosing KEYPAD ENTRY. Scroll through the menu until you reach SET EID MODE and

5. After making your selection you will return to the main menu.

### Configuration Options

This option allows you to perform tests on the capabilities or current status of the Anilog.

To set the configuration options:

1. Press  to power on the Anilog
2. Scroll through the menu until you reach SETUP ANILOG, press 
3. Scroll through the menu until you reach CONFIG. OPTIONS and press 
4. Use the arrow keys to select your option, press  to confirm 1 of 10 choices

### Battery Voltage

Displays the voltage of the installed battery

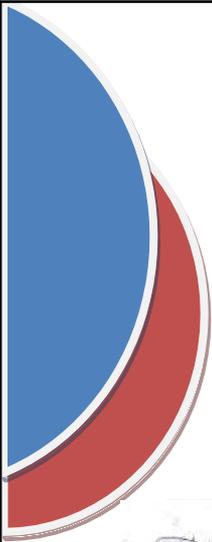
### Test Battery *(You will need an EID tag to perform this test)*

When you select this option you will be asked if you want to start the test, make your selection and press . Place the EID tag next to the Anilog antenna, the Anilog will begin to read the tag continuously. To cancel the test press and hold .

### Test Memory

Test the memory of the Anilog. When you select this option you will be asked if you want to start the test, make your selection and press .

**Note:** All data stored in memory will be cleared when testing the memory



To set configuration options (cont):

**Test Weigher** (you must be connected to a weigh indicator with a machine specific cable)  
Test the connection and communication to a weigher.

### **Dump SRAM**

Dumps all data stored in the SRAM to a third party software such as Hyper Terminal

### **Dump Flash RAM**

Dumps all data stored in the SRAM to a third party software such as Hyper Terminal

### **Reset Defaults**

Restores the Anilog back to factory settings

*Note: This option will clear all data stored in memory*

### **Disable Configurations**

This will disable the configuration options menu in the Anilog

### **RFM Tuning Mode**

Contact Tagmaster UK for this option

## **Ancillary Options**

### **Using Multiple Anilogs**

Each Anilog can be allocated a two digit number in the range of 0—99. This number forms the first two digits of the six-digit temporary ID, which the Anilog uses when it cannot find a tag in its history log. For example, #35:7812 is a temporary ID by an Anilog with ID number 35.

This number allows you to use more than one Anilog within the same environment and on the same computer system. It is essential, therefore, that the ID number assigned to each Anilog used in the same environment is unique.

## Battery Charging



The built in battery, when fully charged should last for several thousand continuous readings. When the battery needs charging the reader will inform you. It will still function for a short period but you should at this point either change the battery or place on the cradle for charging.

**\*\*Note.** You DO NOT need to fully discharge the battery before recharging the unit.

The Anilog reader cradle enables both the battery within the Anilog and a spare battery to be charged. The 'intelligent' charger manages the charging sequence for both batteries. The LED situated at the front of the cradle identifies the charging status. This is shown in the table to the right.

LED STATUS	DESCRIPTION
Green slow flash	Pre-charge reader battery
Green solid	Fast charge reader battery
Green fast flash	Trickle charge reader battery (battery charged)
Red slow flash	Pre charge spare battery
Red solid	Fast charge spare battery
Red fast flash	Trickle charge spare battery (battery charged)
Orange solid	Idle
Orange flashing	Power supply error (<11.7v)

## Equipment List

The Anilog 3060 is supplied with the following accessories

- ?? PC cable
- ?? Charging cradle and power supply
- ?? Instructions for use manual

The following accessories are available as optional extras.

- ?? Replacement battery
- ?? Weigher cables
- ?? EID to official number data disk (Anidata Tag bucket disk)
- ?? Software integration kit
- ?? Anidata ES Software

## Technical specs

*The Anilog reader is a radio frequency (RF) device and as such it is inevitably affected by the conditions of its local environment. Particular difficulties may sometimes be encountered where the Anilog is operated close to metal objects or electrical equipment.*

## Trouble Shooting

The Anilog does not work

Check that:

- ☐☐ The unit is charged
- ☐☐ The cradle is plugged in and powered on during charging
- ☐☐ The battery pack is correctly fitted on the rear of the Anilog

The Anilog will no communicate with the PC

Check that:

- ☐☐ The unit is seated correctly in the cradle
- ☐☐ The cradle is powered up
- ☐☐ The cradle is connected to the PC via the supplied cable
- ☐☐ The Anilog is in communications mode
- ☐☐ The correct COM port set in Anidata

The Anilog will not read a tag

Check that:

- ☐☐ The unit read tag flashes
- ☐☐ The unit is not too close to large metal objects or electrical devices
- ☐☐ There is not more than 1 EID tag in range



## Trouble Shooting (cont)

If after following the checks listed previously, the unit is still not functioning correctly follow the procedure below.

Contact Tagmaster UK using the details below

Tagmaster UK  
Unit 7 Galalaw Business Park  
Hawick  
TD9 8PZ  
Phone: 01450 364120  
Fax: 01450 364121

Have your Anilog to hand as we may ask you to go through some testing procedures. We will need the following information.

- ?? Serial number which is located under the battery
- ?? Nature of problem

If we cannot resolve the issue we will give you a RMA number which you should keep for future reference. You will then be asked to return the unit for testing. If possible please return the unit in the box it was supplied in along with all accessories.

**\*\*Note.** DO NOT send the unit back until you have contacted Tagmaster UK. If you do so then the unit may be returned to you without being tested.

Tagmaster

[www.tagmasterlivestock.co.uk](http://www.tagmasterlivestock.co.uk)

Tel: (01450) 370695

Fax: (01450)374360

## Notes



**Notes**



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## Notes

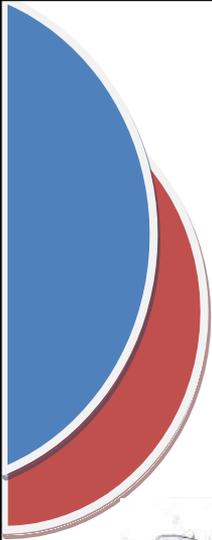


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