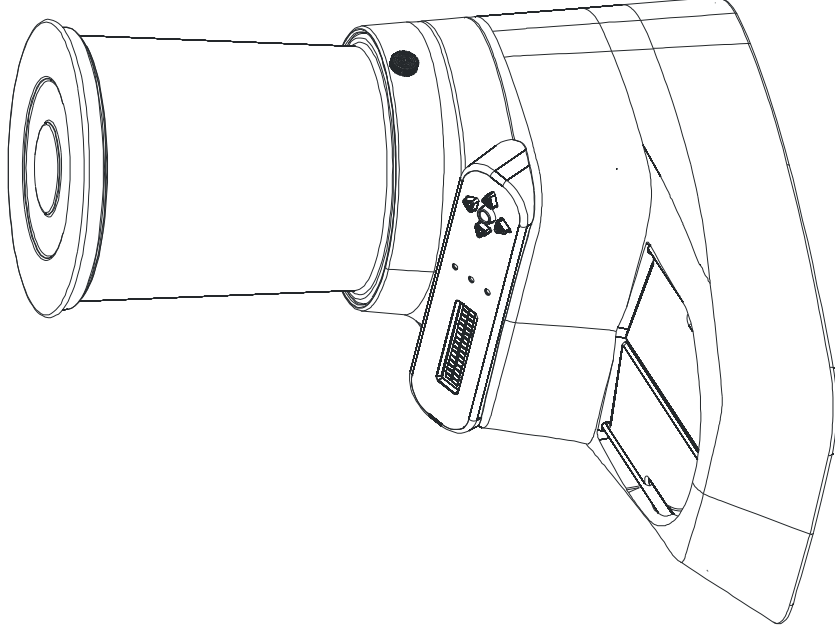


Wireless Whiskers®

AutoDiet™ Feeder Model AC100



Owner's Manual

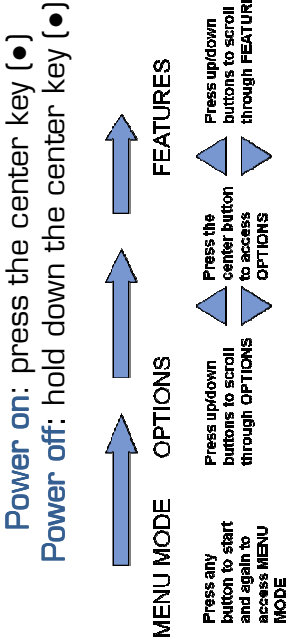
Revision 1.1

CONTENTS OF PRODUCT BOX

- Wireless Whiskers® Model AC100 unit
- Feed tube
- Top cover
- AC adapter
- Wireless tags (2)
- Owner's Manual and Warranty

QUICK REFERENCE MENU GUIDE

The following chart shows the menu organization for controlling and programming the AutoDiet™ Feeder.



TIME AND DATE	●	Set Time	●
		Set Date	●
AUTODIET™ SET UP	●	AutoDiet Wizard™	●
		Adjust AutoDiet™	●
		Daily Allowance	●
		Portion Control	●
		Cycle Start Hour	●
SYSTEM CONTROL	●	Show Settings	●
		Show Pet Stats	●
		Backlight	●
		Door Control	●
		System Reset	●
ESN PRODUCT ID	●	➔	●
EDIT / DELETE PET	●	Edit Pet Name	●
		Delete Pet	●
SELECT PET		➔	

For detail instructions, please refer to ACCESSING MENU MODE and Editing Settings p.26.

FEEDING RECORD (Y'Day feeding)

MONTH/YEAR:									
Pet Name:	M	%	M	%	m	%	M	%	
Allowance /Adjust %:									
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									

CONTENTS OF PRODUCT BOX	ii
INTRODUCTION	1
What it does:	1
How it works:	3
PRODUCT DESCRIPTION	4
CONTROL PANEL	6
LED Lights	6
KEYPAD	6
INITIAL SET UP	7
Proper Fitting of Wireless Tags	8
Engraving and Labeling Wireless Tags	10
Food Types	10
GETTING STARTED	11
Door Control Settings	11
Portion Control Settings	12
Pet Stats	13
Putting your Pet on a Diet	15
Kittens and Puppies	17
SYSTEM OPERATING MODES	18
DISPLAY MODE	18
Time and Date Display	18
Pet Stats Display	18
(Daily) Allow(ance) Example	19
Today Feeding Example	19
Y'day Feeding Example	20
System Settings Display	20
Door Control Status Example	20
AutoDiet Wizard™ Status Example	21
Portion Control Status Example	21
Cycle Start Hour Status Example	21
Alerts and Warnings	21
FEEDING MODE	22
MENU MODE	24
ACCESSING MENU MODE	26
Editing Settings Example	26
Menu Mode Timeout	28
AVAILABLE SETTINGS	28

TIME AND DATE	28
Set Time	28
Synchronizing Clocks	28
Set Date	29
AutoDiet™ Set Up	29
AutoDiet Wizard™	30
Adjust AutoDiet™	31
Daily Allowance	32
Portion Control	33
Cycle Start Hour	35
SYSTEM CONTROLS	36
Show Settings	36
Show Pet Stats	36
Backlight	36
Door Control	37
System Reset	38
ESN PRODUCT ID	39
EDIT/DELETE PET	39
Edit Pet Name	39
Delete Pet	40
SELECT PET	40
SYSTEM POWER FEATURES	41
AC Power	41
Battery Power	41
Low Battery	41
Power Outage	42
PET Activated Power Up	43
USING MULTIPLE FEEDERS	43
MAINTENANCE	44
SAFETY PRECAUTIONS	45
TROUBLESHOOTING	47
WARRANTY	49
PARTS AND ACCESSORIES	50
FCC COMPLIANCE STATEMENTS	50
COPYRIGHTS, TRADEMARKS AND PATENTS	51
QUICK REFERENCE MENU GUIDE	d

FEEDING RECORD (Y'Day feeding)										
MONTH/YEAR:										
Pet Name:	M	%	M	%	m	%	M	%	M	%
Allowance /Adjust %:										
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										
31										

INTRODUCTION

Welcome

Congratulations on your purchase of Wireless Whiskers® AutoDiet™ Feeder. This amazing product, designed in Silicon Valley California, is the most advanced feeding and diet system for pets that money can buy. It offers the very latest technology to finally triumph over your pets' wayward feeding habits. Your AutoDiet™ Feeder will automatically and independently control the diet of up to 8 cats or small dogs.

Ask yourself:

- Do you know the optimal allowance for your pet?
- Are you tired of fussing with measuring cups and portion sizes?
- Does your pet need a weight-loss diet?

It's not so easy:

- Especially for multiple pets... how much does each pet eat?
- What if my dog keeps eating the cat's food?
- Who feeds your pets while you're at work?

Phew! ...relax, with Wireless Whiskers® AutoDiet™ Feeder there's finally a better way.

What it does:

- Measures and records how much each pet eats.
- Automatically calculates each pet's allowance.
- Sets up individual maintenance diets automatically.
- Meters small healthy portions throughout the day.
- Prevents gorging by any pet and associated vomiting.
- All pets get their fair share and individual allowance.

- Feeds up to 8 pets, even if you're not there.
- Adjusts your pets diet with just a few keystrokes.

A study from the Association for Pet Obesity Prevention found that 44% of dogs and 57% of cats are overweight or obese in the United States. As with humans, added weight puts pets at greater risk for various health problems. A similar study by the Royal Society for Prevention of Cruelty to Animals (RSPCA) in the UK found that 65% of pets seen were overweight. In today's busy world few people have time to measure out small portions throughout the day as recommended for optimum health. Even if your pet's weight is normal, how do you keep it that way?

Wireless Whiskers® AutoDiet™ Feeder automatically calculates the daily allowance for each pet and puts them on a normal diet, maintaining their present weight. If weight loss or increase is desired; the AutoDiet Wizard™ allows you to customize an individual diet for any pet with just a few keystrokes.

No more problems figuring out how much each pet has eaten or trying to segregate them during meal times, the AutoDiet™ Feeder takes care of it all with ease.

The advanced portion control setting divides your pet's daily allowance in up to 24 small portions to prevent gorging and stop associated vomiting behavior exhibited by many pets.

Wireless Whiskers® AutoDiet™ Feeder works for up to 8 pets at the same feeder. More than one AutoDiet™ Feeder may be operated at the same location. This is useful for pets with different dietary needs; such as cats and dogs, or pets needing special/prescription formulations or kitten/puppy

Modifications (CFR 47 Section 15.21).

Changes or modifications to the electronics or antenna of this product not expressly approved by Vector Wireless could void the user's authority to operate the equipment.

COPYRIGHTS, TRADEMARKS AND PATENTS

Any redistribution or reproduction or resale in part or in whole of the contents of this document in any form is prohibited. Wireless Whiskers® and associated logo, AutoDiet™ and AutoDiet Wizard™ are protected trademarks.

Wireless Whiskers® AutoDiet™ Feeder is protected by U.S. and foreign patents, design registrations and copyrights. All rights reserved.

This warranty is only valid within the country of purchase and requires a valid proof of purchase.

Note: this warranty covers free repairs as described herein, and does not impair or affect the legal rights of the customer. In the event that any provision of this Warranty is invalid under local law, the remaining provisions shall remain in effect. Please visit www.wirelesswhiskers.com to obtain information regarding repairs after the warranty period expires.

PARTS AND ACCESSORIES

Additional wireless tags, other accessories and replacement parts are available. Please visit www.wirelesswhiskers.com for detail.

FCC COMPLIANCE STATEMENTS

This equipment has 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 product.
- Consult the dealer or an experienced radio/TV technician for help.

food. Each feeder can be set as desired to allow or exclude access by different pets.

How it works:

Each pet wears a wireless tag attached to its collar. Whenever a pet attempts to feed, the tag is read by the AutoDiet™ Feeder. If a new pet is introduced, the feeder registers and calculates its normal daily allowance, and continues to monitor each pet's feeding individually. All automatically! No fuss, no bother! If a pet exceeds its daily allowance (or available portion), the doors shut. Similarly, the doors shut or remain shut if an unauthorized pet tries to feed.

A pet may be put on an individual weight loss diet by adjusting its daily allowance with just a few key strokes, using the AutoDiet Wizard™. Easy menu settings allow access to the advanced programmable features, giving you unsurpassed control over your pets' feeding behavior.

The AutoDiet™ Feeder incorporates convenient displays so you can monitor how much your pet has eaten today and yesterday. Handy alerts warn you if your pet is eating too little (a possible sign of illness), and also notify you of low battery or other important conditions.

Since the AutoDiet™ Feeder identifies each pet individually; you have unprecedented control of their diet. You can even use multiple feeders with different food types, then allow separate access by any combination of pets that you choose. Wireless Whiskers® AutoDiet™ Feeder does this, and so much more... read on for more detail!

PRODUCT DESCRIPTION

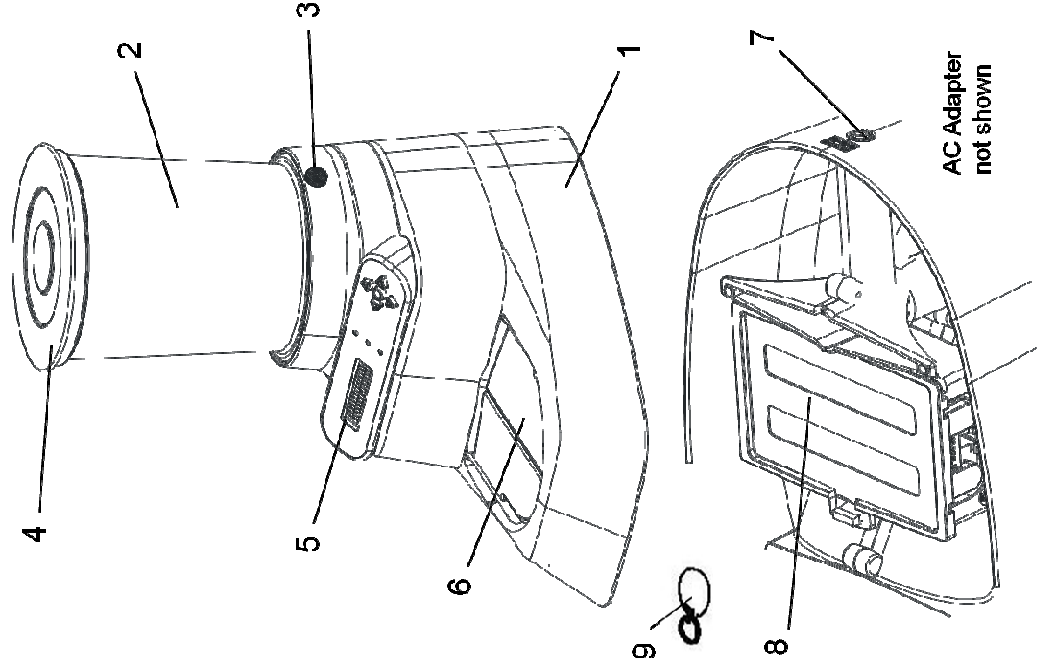


Figure 1: Wireless Whiskers® AutoDiet™ Feeder AC100

WARRANTY

We are very proud of our products and back up each one with the following warranty. This warranty offers free repairs of defects or failures in the product, provided that the product is used in accordance with the instructions in the Owner's Manual and all cautions, warnings, and indications. Warranty Period is 90 days from date of purchase. In order to validate your warranty, please register your warranty within 10 days of purchase at www.wirelesswhiskers.com. To receive repairs please visit www.wirelesswhiskers.com for instructions.

You will need to make a note of the product Model Number on the underside of the product and the unique ESN Product ID number which can be viewed by selecting it in from the menu.

Except as specified below, this Warranty covers all defects in material or workmanship of the product. The costs of shipping for repairs shall be borne by the customer. The following are not covered by the warranty:

- Damage resulting from improper usage, or any attempt, by any person other than authorized personnel to modify or repair the product.
- Damage resulting from dropping or other shipping related damages after purchase.
- Damage caused by fire, earthquake, flood, or other act of God, or damages due to abnormal operating conditions including pollution, salt damage, gas damage (sulfides), or irregular power voltage.
- Any warranty claims made without proper online registration.

Problem	Solution
PET FEEDING PROBLEMS	
In the Advanced, Door Control setting: pet has difficulty activating the doors to feed.	Be patient your Pet will take time to adapt. If no improvement, change Door Control to Automatic .
Daily Allowance is too high or too low	1. Re-activate the AutoDiet Wizard™ . 2. Record your pets Y'day feeding using the record sheet provided at the back of this manual. 3. Or carefully change the Daily Allowance setting.
Underfeed warning	1. Check for door obstructions and other feeder problems. 2. Record your pets' Y'day minutes using the sheet provided at the back of this manual. 3. Review your Pet's Daily Allowance to see if it is reasonable. 4. Consider possible health problems and consult your veterinarian.
AutoDiet™ system is not operating as desired	1. Change the AutoDiet™ Adjust setting. 2. Carefully change the Daily Allowance setting. 3. Consider the possibility of health problems and consult your veterinarian.

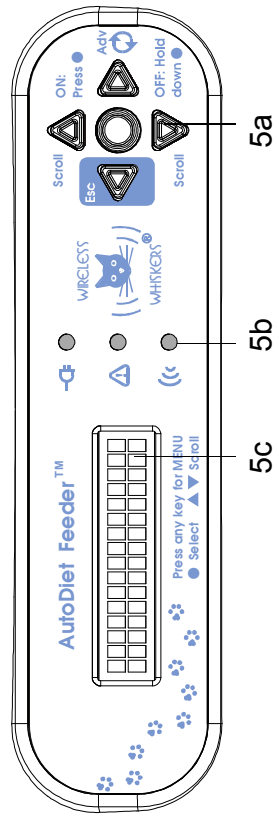


Figure 2: Control Panel

PART	FUNCTION
1 Feeder Body	Product Housing
2 Feed Tube	Stores dry pet food
3 Locking Screws	Locks Feed Tube to Feeder Body
4 Cover	Shields pet food from dust/moisture
5 Control Panel	Smart Feeder™ controller
5a Keypad	Accesses program menus, On/Off
5b LED Lights	Status and alert notification
5c LCD screen	Information display
6 Motorized Doors	Controls access to food supply
7 AC Adapter Jack	Power input for AC Adapter
8 Battery Box	Holds four D-size batteries
9 Wireless Tag	Uniquely identifies each pet

Figure 3: Part Names and Function

CONTROL PANEL

The control panel (Figure 2) is designed for easy use. To power up the feeder, simply press the (●) key (don't forget to insert batteries and/or the AC adapter plug). To turn on the backlight press any key, then once again, to access the MENU MODE. To **Power Down**, press and hold down the (●) key until "Powering Down" appears on the display.

LED Lights



AC power: the green LED is on when AC power is connected.



Alert/Warning: when the red LED flashes, an alert/warning is displayed.



Tag Detect: the yellow LED flashes whenever a wireless tag is detected.

KEYPAD

The KEYPAD (Figure 2) has five keys:



SELECT (●) key: used to make a selection during EDIT mode and for turning ON/OFF.



ESC (◀) key: used to escape from EDIT mode without making any changes. (Returns to DISPLAY mode).



ADVANCE (▶) key: moves the cursor to the right. At the end of the line it cycles back to the beginning again.



SCROLL UP (▲) key: scrolls up through menu and setting choices.



SCROLL DOWN (▼) key: scrolls down through menu and setting choices.

TROUBLESHOOTING

Problem	Solution
MECHANICAL	
Doors obstructed warning	Remove obstruction and wait a few seconds for doors to return to normal operation.
Doors jammed	Clean away any loose food or debris from around door hinges and bowl.
Doors not operating as desired	Change Door Control setting.
Doors skewed	Alternate the doors between Always Open and Always Shut using the Door Control setting until the doors correct.
Feed Tube is not secure	Tighten locking screws on the side of the Housing Shell.
ELECTRICAL	
Will not power up	1. Attach AC power and/or batteries and press the (●) key. 2. Check AC adapter is plugged in to a working power outlet. 3. Check that the batteries are good.
Feeder operation is erratic.	1. Remove and replace power. 2. Reset the system using the Reset menu option.
Feeder is unresponsive.	1. Remove all power. Restore power and hold down any key for 10 seconds. System will reboot.
Backlight is always on or off	Change Backlight setting.

© Vector Wireless 2010. All rights reserved.

remove the power plug and remove batteries (failure to do so may result in fire or electrocution).

- If the unit produces smoke, unusual amounts of heat, unusual odors, or unusual sounds, immediately discontinue use and remove the power plug then remove the batteries (failure to do so may result in fire or electrocution).
- Do not allow children to play with the unit.
- Do not place the unit or power cord in walkways or where people might trip over them.
- Do not allow pets to wear articles that could become snared without breaking away from the pet.
- Do not place heavy objects on top of the unit, or climb on it (casing may collapse, and internal components may be damaged, resulting in injury or a risk of fire or electrocution).
- Do not place the unit in high temperature areas for prolonged periods of time (external casing may warp, and internal components may be damaged resulting in a risk of fire or electrocution).
- During cleaning and long periods of disuse, unplug the unit and remove batteries.
- Frequently monitor your pets feeding behavior to ensure the settings on the AutoDiet™ Feeder are appropriate.
- Do not excessively underfeed your pets.
- Always seek advice from your veterinarian before putting your pet on a weight loss diet.
- Always seek advice from your veterinarian if your pet's weight is significantly over or under what is normal for your pet.
- Do not leave your pets unattended for long periods.

INITIAL SET UP

Please refer to Figures 1-4 during set up.

Step 1. Remove all items from the packing container.

Step 2. Turn the feeder body (item 1) on its side and remove and discard packing foam pieces. Then remove the cover from the battery box (item 8). If you will be using batteries, insert four size D alkaline batteries. Ensure the batteries point the right direction by matching the + and – markings on the batteries with those stamped inside the battery box. (Note: Installing batteries will provide backup in case of a power outage). Then replace the battery box cover and turn the feeder body back upright.

Step 3. Loosen the two locking screws (items 3) at the top of the feeder body (item 1). Align the slots at the bottom end of the feed tube (item 2) with the locknuts/screws (items 3). Then press the feed tube into the body and finger tighten the locking screws until flush.

Step 4. Fill the feed tube with your pets' favorite dry food. **(Important: DO NOT use canned/wet pet food. The feeder is suitable for dry food only).**

Step 5. Put the cover (item 4) on top of feed tube and press into place. Remove the protective film from the control panel (item 5).

Step 6. Find a suitable place to locate the feeder, a good spot would be on the floor in a corner. Remove the AC adapter from its packaging and uncoil the wire. Press the plug at the end of the cord into the AC adapter jack (item 7). Then plug the AC adapter body into a convenient power outlet. Do not place the feeder (or AC adapter cord) in

walkways or where it might be kicked or tripped over. (Step 6 may be omitted if you intend to use only battery power).

Step 7. Finally attach a wireless tag (item 9) to the collar of each pet. (Two tags are provided. If you need additional tags, please refer to PARTS AND ACCESSORIES p.50). Proper fitting of the wireless tags is described in the next section.

Congratulations, your AutoDiet™ Feeder is now ready for use. Please read GETTING STARTED p.16 to guide you through the basic operation. A detailed review of all of the available features can be found in p.28. Do not forget to review the SAFETY PRECAUTIONS p.45.

Proper Fitting of Wireless Tags

Most pet collars have a standard ring for attaching tags. The wireless tag should face forward (not sideways) when dangling from the collar, as shown in Figure 4.

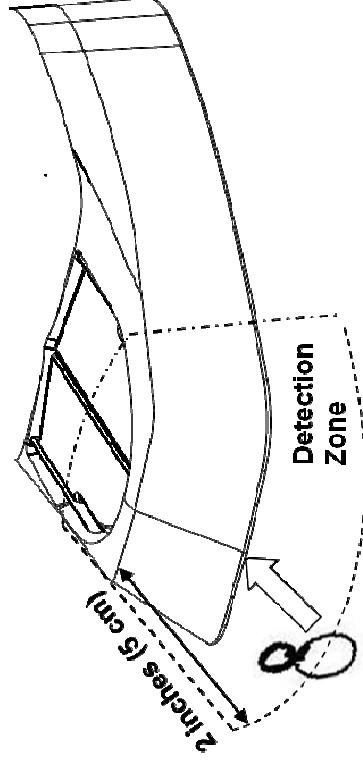


Figure 4: Proper Tag Orientation

Packaging

- Keep the packing materials and product box. They may be needed to protect the unit in case shipping or transport becomes necessary.

Batteries

- Do not leave old discharged batteries inside the unit. Old batteries are prone to leakage and corrosion.

SAFETY PRECAUTIONS

In order to prevent harm to people and pets or damage to property; please read and follow the cautions below:

- Do not use AC adapters other than the one included with this product.
- Do not handle the AC adapter with wet hands (electrocution may result).
- Do not damage the power cable or plug (fire or electrocution may result).
- Remove any dirt or fluids from the power plug. (Short circuits or connection problems may result from dirty or wet power plugs, resulting in a risk of fire or electrocution).
- Plug the AC adaptor completely into the power outlet (incomplete insertion may result in fire or electrocution).
- Do not dismantle or modify the unit (fire, electrocution, or breakage may result).
- Do not insert metallic or flammable objects inside the unit (fire, electrocution, or breakage may result).
- Do not touch any of the interior electrical components in the unit (there is a risk of one's hand becoming trapped if forced deep underneath the product shell as well as a risk of burning or electrocution).
- If water or other foreign materials enter the unit, or the outer case is damaged, immediately discontinue use and

feeders. To overcome this problem you should set the **Daily Allowance** of 5 pet slots (PET D – PET H) on each feeder to zero. Setting the allowance of a slot to zero makes it unavailable. This will leave 3 slots remaining on each feeder which can be used to register the desired pets. Thereafter no additional pets will be able to register at either feeder. The **AutoDiet Wizard™** must be set to **Off** before changing the **Daily Allowance**. It can be turned back on again afterwards if desired.

Alternatively, you may allow all 6 pets to register on both feeders. You can then set the **Daily Allowance** of the pets that you wish to exclude to zero. With this method you do not need to zero out any unused slots.

If you later wish to use a slot that has been zeroed out, simply select the slot (see p.38) and set the **Daily Allowance** (see p.32) to a value other than zero. This will cause the pet slot to reopen.

MAINTENANCE

There are no owner serviceable components inside the unit other than replaceable D-size alkaline batteries (purchased separately).

Cleaning

- Do not use benzene, thinners, or other solvents to clean the product. Wipe down the unit with a damp, lint-free cloth with a diluted soap solution, and then with a dry lint-free cloth.
- Do not allow liquid to flow into the control panel or battery box.

The AutoDiet™ system is activated when a pet lowers its head to eat and the wireless tag dangles in the detection zone as shown in Figure 4. You can easily verify correct positioning of your pets tag by watching the yellow LED on the control panel. It will flash about once per second when it detects the presence of a wireless tag. For best results make sure your pets collar is loosely fitting, so that the weight of the wireless tag will always center itself around the pets neck.

The wireless tags do not require batteries and are water resistant.

IMPORTANT NOTE: The detection zone is designed to activate when a pet lowers its head to eat. It is not designed to detect if a pet is simply nearby (otherwise it would inaccurately measure the pet's actual feeding behavior). See p. 11.

Do not cover wireless tags with any metal object, and do not place other metal name tags or objects near the wireless tag, or it may interfere with its operation. Check that the collar and tag cannot become snared. Break away collars are available from most pet stores and are highly recommended.

The AC100 model is recommended for small pets up to about 18 inches (46 cm) tall. It is not recommended for taller animals, because the fitted wireless tag must dangle directly in front or inside the bowl, when the pet is eating. For taller animals, the wireless tag may not reach the detection zone. It may be possible to lower the wireless tag into the detection zone, using a small chain or lace extension (a break-away collar should be used, in case the extension becomes snared). If you intend to use the feeder for larger

animals, make sure that you carefully determine its suitability for your pet(s) and consult your veterinarian.

AC100 model is for INDOOR USE ONLY.

Engraving and Labeling Wireless Tags

Wireless tags can be engraved with your pets name and contact information. Alternatively, a non metallic label may be affixed to the flat surface. Additional wireless tags may be purchased, please refer to PARTS AND ACCESSORIES p.50.

Food Types

Your AutoDiet™ Feeder is designed for dry food only. Do NOT put wet or canned food inside the feeder or it will spoil. In addition anytime you change the food type or brand of pet food you MUST reactivate the **AutoDiet Wizard™** to recalibrate for the new food type. This will allow for the variation in calorie content of different formulations, so that your pets will receive their normal daily calorie intake.

Some manufactures of dry food put coupons, special offers and toys in their bags of feed. Such objects can interfere with flow of food through the feeder. Always check for and remove such objects when filling your feeder.

The best way to avoid losing time related data is to ensure that good batteries are always installed. Then if AC power fails, the batteries will take over.

PET Activated Power Up

As a safety feature, after power down or power outage, the feeder will automatically power up when a pet with a wireless tag is detected. This feature ensures that pets will have access to food following restoration of normal power (even if batteries were not installed during the power outage).

If **Door Control** was set to **Always Closed** prior to **Power Down** or power outage, PET Activated Power Up is overridden and the feeder will power up only in response to pressing the (●) key.

USING MULTIPLE FEEDERS

Wireless Whiskers® AutoDiet™ Feeder is designed to allow an unlimited number of feeders to operate at the same location. This useful in the following situations:

- Dogs and cats in a single household.
- Kittens/Puppies: separate high calorie food.
- Pets with special medical diets.
- Pets with differing food preferences.
- More than 8 pets at a single location.

Each AutoDiet™ Feeder allows up to 8 pets to share the same food supply. The feeder will reject any additional pets. Care must be taken to ensure the same pet does not register at more than one feeder.

Example: if you have 6 pets with two AutoDiet™ Feeder units and wish to assign 3 pets to each feeder. With no intervention, the pets would automatically register at both

low battery operation the feeder **Door Control** will be overridden to be continuously open, unless the **Always Shut** (override) setting is selected by the owner (see **Door Control** p.37). This is a safety feature, so that if the batteries become fully discharged, the doors will be open, allowing pets to continue feeding, even after power loss. Your original door control setting will be restored once normal power is restored.

Power Outage

In the event of a loss of AC power your AutoDiet™ Feeder will seamlessly transition to battery power (assuming good batteries are installed). The unit will continue to operate on battery power until AC power is restored or the batteries become discharged. On restoring AC power the green LED will illuminate and the system seamlessly transitions back to AC power.

Wireless Whiskers® AutoDiet™ Feeder uses flash memory to store your system settings. In the event of total power loss (no AC or battery power), your system and pet settings will be restored on power up. However because the unit has no power during a total power loss, the time of day is lost and will need to be reset. The red LED light will flash and the display will remind you to reset the time.

After power up, all features that rely on the time are reset. If the **AutoDiet Wizard™** was activated immediately before total power loss, the **AutoDiet Wizard™** restarts on power up. Also **Today's** feeding time will be reset to zero for all pets. **Y'day's** feeding time will not be reset, because the data was saved before power loss.

GETTING STARTED

This section will get you started and familiar with AutoDiet™ Feeder and its basic operation. After finishing the INITIAL SET UP, it is ready for use: **press the (●) key once to power up the feeder**. The display shows a welcome screen and your unique ESN Product ID number. The system then performs a functional test on the doors and enters DISPLAY MODE. The red LED light will flash to remind you to set the time (for instructions see p.26 - Editing Settings). Repeat this procedure to set the date (refer to TIME AND DATE p.28 as necessary). If you need to power down the feeder, simply hold down the (●) key until “Powering Down” appears on the display.

Door Control Settings

The AutoDiet™ Feeder has several **Door Control** settings (see p.37). These settings determine how the doors operate. The **Automatic** setting keeps the doors open when the feeder is idle, and shuts them if a pet attempts to feed with no *available* allowance. The **Advanced** setting keeps the doors closed, until a pet with available allowance attempts to feed, the doors then open. There are also two override settings: **Always Open** and **Always Closed**.

IMPORTANT: The doors and the AutoDiet™ system, do not activate if a pet is simply nearby (otherwise it would inaccurately measure a pet's actual feeding behavior). In the **Advanced** mode pets must learn to lower their head towards or sniff the closed food bowl when they want to eat. Typically pets learn this behavior quickly, as the food is visible beneath the transparent doors. In contrast, in the **Automatic** mode the doors are open before a pet approaches, so no learning is required. The owner can select the **Door Control** that best suits their pets. The **Advanced** mode is particularly useful if

there are other pets in the house that you wish to exclude from the feeder.

Portion Control Settings

After the AutoDiet Wizard™ has completed its calibration, the **Portion Control** feature becomes active. **Portion Control** (see p. 33) sub-divides the **Daily Allowance** and meters it out throughout the day, according to your setting. **Portion Control** prevents pets from gorging their allowance and promotes healthy “grazing” habits. In addition this feature is effective in preventing gorging/vomiting, a common behavior problem seen in cats. The available **Portion Control** intervals are: Hourly, 6-hour, 24-hour and No night feeding. The default setting: hourly, divides the **Daily Allowance** into 24 equal parts. The available allowance is incremented by 1/24, each hour (see **Figure 7** p.24).

If you prefer that the doors shut only if the entire **Daily Allowance** has been reached, select the **24 Hour Interval** setting (see **Portion Control** p.33). This effectively disables the **Portion Control** feature.

IMPORTANT: You should expect **your pet's feeding to be interrupted periodically during the day, if it reaches its available allowance at any instant.** This calculation is automatically performed by the **Portion Control** feature, which prevents your pet(s) from gorging all of their daily allowance at once. Some pets take several days to get used of being shut out. In some cases the pet may even try to defeat the closed doors or become frustrated. Don't worry your pets will soon get used to it and yield to the new sheriff in town!

SYSTEM POWER FEATURES

The system can operate using either AC power or alkaline batteries or both.

AC Power

Wireless Whiskers® AutoDiet™ Feeder is supplied with an AC adapter, to allow operation from a standard power outlet. When connected to AC power the green LED will illuminate. Never use a substitute adapter as it could potentially damage your product and pose a safety hazard. In the unlikely event a replacement adapter is needed; please refer to **PARTS AND ACCESSORIES** p.50.

Battery Power

Wireless Whiskers® AutoDiet™ Feeder can be operated from four D-size alkaline batteries. The feeder does not recharge batteries. To change batteries: first ensure the cover and locking screws are securely fastened to the feed tube (refer to Figures 1-3). Power down the feeder by holding down the (●) key until the display indicates “Powering Down”. Then carefully lay the unit on its side and remove the battery box cover and old batteries. Insert four new size D alkaline batteries. Ensure the batteries point the right direction by matching the + and – markings on the batteries with those stamped inside the battery box. Replace the battery box cover and turn the unit upright. Press the (●) key once to power up the feeder again.

Low Battery

When operating under battery power, the battery voltage is continuously monitored. If batteries are close to discharge, the Red LED flashes periodically and the LCD screen will display the **Low Battery** alert. When this warning is displayed the batteries should be replaced as soon as possible. During

Do not center the name with space characters, the name will be automatically formatted (enter the name starting at the left side of the line as shown).

After the pet's name has been changed, it will be displayed every time the pet feeds or whenever you select the pet (see p.40).

Delete Pet

If you wish to remove a pet from the system. First select the pet you wish to delete (see p.40), then delete it by selecting Yes from the scrollable list.

▲ ▼ then ● Exit ◀

No

Screen View

Field	Setting
1	No, Yes

SELECT PET

Select Pet allows the owner to select a pet. Manually selecting a pet makes it the default pet for editing and display purposes. Otherwise, the default pet is the last one detected by the feeder. If you wish to change settings or display information for a different pet, the **Select Pet** setting must be changed to the desired pet in advance.

▲ ▼ then ● Exit ◀

PET A

Screen View

Field	Setting
1	PET A – H Default names are modified when pet name is changed.

Now for the fun part: introduce your pets to their new AutoDiet™ Feeder. You will notice that when a pet attempts to eat, the system automatically detects its presence and registers it. A welcome screen will be displayed and the yellow LED light will flash approximately once per second indicating that the AutoDiet™ system is measuring. The first pet to visit is assigned the default name “PET A”, which can be changed to a real name of up to 16 characters at any time (see [EDIT/DELETE PET](#)

[Edit Pet Name](#) p.39). The next time the pet feeds, it will be recognized and greeted by name!

Whenever a new pet is introduced, the **AutoDiet Wizard™** activates. Then starting the next full day, it measures the feeding of all pets for 3 consecutive days. At the end of this period, it calculates the **Daily Allowance** for each pet and updates the feeder settings.

Thereafter each pet may eat up to its **Daily Allowance**. The **Portion Control** setting further divides the **Daily Allowance** into metered sub-intervals (see p.33 for more details).

IMPORTANT: Do not feed your pets with treats or other food during the 3 day **AutoDiet Wizard™** calibration. If you do so, the feeder will calculate a lower **Daily Allowance** than normal. As a result you will continually underfeed your pet. You can check the total amount fed by each pet on the display. A pet should not continually eat its entire allowance (100%) day after day, unless it is on a weight loss diet. You can check yesterday's consumption by reviewing the (**Yday**) pet statistic which is periodically displayed.

Pet Stats

Whenever the AutoDiet™ Feeder is idle, it enters **DISPLAY MODE** and cyclically displays 4 types of information:

time/date, feeding statistics, system settings and alerts/warnings. For details see DISPLAY MODE p.18.

For now, pet feeding statistics (**Pet Stats**) will be of most interest. These are: the daily **Allow**(ance), **Today**(’s) feeding and **Y’day** (yesterday’s) feeding. **Pet Stats** are easy to identify: they are preceded by paw prints! **Pet Stats** are displayed for the last pet detected. You can display another pet’s information by using the **Select Pet** feature (see p.40). Throughout this manual, keywords shown on the display screen are **bolded** to assist familiarization. Figure 5 provides examples of each **Pet Stat** screen:

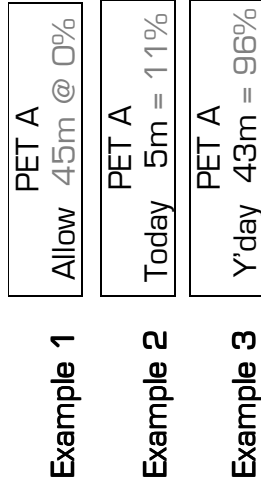


Figure 5: Example Pet Stats screens

Explanations:

Example 1: PET A’s Daily allowance is **45 minutes** and the **Adjust AutoDiet™** setting is at **0%**. This means: PET A will be permitted to feed up to its **Daily Allowance** of 45 minutes and there is **0%** (no) adjustment to the pet’s diet.

Example 2: **Today** PET A has fed for **5 minutes**, which equals **= 11%** of its **Daily Allowance** (of 45m). When PET A reaches 45m (i.e. 100%) of its allowance, the doors close. This screen helps you to track your pet’s feeding throughout the day.

If the feeder experiencing software problems and you wish to perform a “hard” reset, this may be performed as follows: Remove the batteries and the AC power. Re-attach either power source, then press and hold down any key for at least 10 seconds. When you release your finger the system will reset and reboot.

ESN PRODUCT ID

ESN Product ID selection allows you to view the unique electronic serial number (ESN) for your product. This number is a encrypted security feature to verify the authenticity of your product, and it is required for warranty registration. When selected the ESN Product ID number will be displayed for one minute or until any key is pressed.

EDIT /DELETE PET

Edit: Pet Name

The default names for pets using the system are: PET A, PET B, PET H. A new pet will be automatically registered the first time it is detected. The new pet is assigned the next available default name. You may change the default name of each pet to a real name of up to 16 characters (Example: ALFIE).

ALFIE
▲ ▼ then ▶ then ●

Screen View

Field	Setting
1	Names can be up to 16 alphabetic characters or spaces.

The **Always Open** and **Always Shut** settings override the control of the AutoDiet™ system and allow you to force the doors to remain open or closed, regardless of the available allowances. For example: if you have given special treats and want to prevent further feeding today. Or conversely, if you want to allow unlimited feeding. Whenever you use override settings, it is important to remember to change back afterwards, so the AutoDiet™ system can regain control. A periodic alert will be displayed to remind you when an override setting is selected.

The **Door Control** setting used during the **AutoDiet Wizard™** calibration is that in effect at the time of activation. However if the feeder was set to **Always Open** and **Always Shut**, these settings are overridden and reset to **Automatic**.

Do not use the **Advanced Door Control** setting during AutoDiet Wizard™ calibration unless your pets are familiar with it (**see p. 30**).

If the Door Control setting is **Always Shut**, then automatic registration of new pets and pet activated power up (see p. 43) are disabled.

System Reset

System Reset allows the feeder to be reset to factory default settings. This is known as a “soft” reset back to factory settings.

No
 ▲ ▼ then ● Exit ◀

Field	Setting
1	No, Yes

Screen View

© Vector Wireless 2010. All rights reserved.

Example 3: Y'day (yesterday) PET A fed for **43 minutes**, (equal to) = **96%** of its **Daily Allowance** (of 45m). This screen is convenient for tracking total feeding for the prior day and provides a quick indication, whether a pet is eating more or less than normal. Consequently, this information may provide an early warning of diet, health or other problems.

Note: If the **AutoDiet Wizard™** is activated (for example if a new pet is introduced to the feeder) the fields shown in Figure 5 in gray are temporarily replaced with **WizOn or TBD**. This is because these fields depend on the **Daily Allowance**, which is not determined until the end of the **AutoDiet Wizard™** calibration.

Putting your Pet on a Diet

Putting your pet on a diet is easy as: selecting a number between -30% to +30% (see Adjust AutoDiet™ p.31). For example: choosing an **Adjust AutoDiet™** setting of -20%, *reduces* your pet's **Daily Allowance** by 20%. This setting will be periodically confirmed on the display screen:

PET A
Allow 100m @ -20%

The Daily Allowance is calculated automatically by the **AutoDiet Wizard™**, it can also be set manually by the Owner.

Important: The **Daily Allowance** (expressed as number of minutes) for each pet can vary significantly. It is not unusual for two pets of similar size to have very different **Daily Allowances**, as calculated by the **AutoDiet Wizard™**. (For an example one pet might have 10 minutes and another 50 minutes). Similarly, the calculated **Daily Allowance** does not depend on the size of the pet. This is because some animals

eat leisurely, while others eat quickly. However, if a pet is within its normal environment, their behavior will be consistent from day to day. The **AutoDiet Wizard™** takes this into account when calculating the **Daily Allowance**, to determine the **Daily Allowance** which is normal for each pet.

As your pet eats during the day, the **Today** screen tracks the number of minutes fed and the percentage of its **Daily Allowance** used. If the pet reaches its maximum available allowance, the feeder doors shut, and the pet will not be permitted to feed.

For example with an **Daily Allowance** of 100m and a **Adjust AutoDiet™** setting of -20%, the **Today** screen will indicate the following, when a pet has reached its maximum available allowance for the day. Since the maximum *available Daily Allowance* has been reduced by 20% using the **Adjust AutoDiet™** feature.

PET A
Today 80m = 80%

Furthermore, if the **Portion Control** feature is in effect, the *available* allowance at any instant will be metered out incrementally throughout the day. As a result the doors will shut if your pet tries to eat its allowance too quickly (see **Figure 7** for an explanation of how *available* allowance is calculated).

Caution: DO NOT excessively underfeed your pet. Too rapid weight loss and/or starvation diets are dangerous. In cats, this may lead to hepatic lipidosis (liver failure). Do not ignore underfeed warnings or override allowances calculated by the **AutoDiet Wizard™** without good cause. DO USE the **Portion Control** feature which divides a pet's **Daily Allowance** into up

On
▲ ▼ then ● Exit ◀
Screen View

Field	Setting
1	Automatic Always On Always Off

Door Control

Controls the operation of the motorized doors. Functional details of these settings can be found in Door Control Settings p.11. There are 4 settings available:

Automatic
▲ ▼ then ● Exit ◀
Screen View

Field	Setting
1	Automatic Advanced Always Open Always Shut

The default setting is **Automatic** which instructs the feeder doors to remain open when idle. If a pet attempts to feed that has exceeded its available allowance, the doors close for one minute. If the pet returns, the doors will continue to close until the next feeding period. Pets will adapt to this setting immediately without any training.

The **Advanced** setting keeps the doors closed until a pet attempts to feed. If the pet has *available* allowance, the doors open. This setting may take several days for your pet to adapt, since it requires your pet to lower their head towards or sniff the closed food bowl when they want to eat. Typically pets learn this behavior quickly, as the food is visible beneath the transparent doors. This setting is useful if there are pets that will not be fitted with wireless tags, since only pets with valid tags will be allowed access.

SYSTEM CONTROLS

System Controls allow you to modify system settings and display features. Also the AutoDiet™ Feeder can be reset to factory default using the **System Reset** feature.

Show Settings

The periodic display of system settings on the LCD during DISPLAY MODE can be turned on or off. The system settings displayed are: **Door Control**, **AutoDiet Wizard™**, **Portion Control** and **Cycle Start Hour**.

◀ ▼ then • Exit ◀	Field	Setting
On	1	On, Off

Screen View

Show Pet Stats

The periodic display of **Pet Stats** on the LCD during DISPLAY MODE can be turned on or off. The **Pet Stats** displayed are: **Daily Allowance**, **Today's** feed time and **Y' day** feed time.

◀ ▼ then • Exit ◀	Field	Setting
On	1	On, Off

Screen View

Backlight

Controls the operation of the LCD backlight. There are 3 settings available. The default setting is Automatic.

to 24 intervals to prevent gorging and promote safe weight control.

Always monitor your pets' health and frequently review the settings and feeding statistics (Pet Stats) to make sure they remain appropriate. Your feeder measures how much your pet is eating, so use this information to monitor them. If a pet appears excessively hungry or the allowance appears to be inappropriate, reactivate the **AutoDiet Wizard™** to recalculate the **Daily Allowance** or carefully set it manually. Finally, you should consult your veterinarian for help in selecting an appropriate weight loss program.

Kittens and Puppies

For kittens and puppies their **Daily Allowance** should be set to maximum feeding (see p.32). It is not advised to limit feeding for growing animals, unless specifically advised by your veterinarian.

Finally, your feeder has many more features and capabilities. You should review the following chapters to explore them. A quick reference guide is provided at the back of this manual. For detail instructions, please refer to ACCESSING MENU MODE and Editing Settings p.26. For the latest tips, instructions and tutorials visit our website: www.wirelesswhiskers.com.

SYSTEM OPERATING MODES

The system has three operating modes:

- **Display Mode**
- **Feeding Mode**
- **Menu Mode**

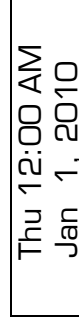
These modes are described in the following sections.

DISPLAY MODE

The DISPLAY MODE is the feeder's default operating mode. During this mode the LCD screen displays four types of information: time/date, feeding statistics, system settings and alerts/warnings.

Time and Date Display

This self explanatory display is shown below:



Pet Stats Display

Three different feeding statistics screens (Pet Stats) are displayed: Daily Allowance, Today's feeding and Y'day's feeding. Pet Stats for the last pet detected are shown immediately after paw prints are seen on the display. If desired another pet can be selected at anytime (see p.40). If you are not immediately interested in **Pet Stats**, this feature may be turned off (see Show Pet Stats p.36).

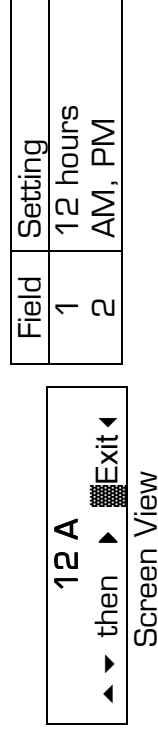
- **No Night Feeding**

Is similar to the **24 Hour Interval**, except feeding is permitted only during daytime hours. This setting value is useful for dog owners, to prevent feeding during the night. Dogs frequently want to go outside to "do their business" after eating, which is inconvenient to owners in the middle of the night. The default daytime is defined as 6 am to 10 pm. These hours can be shifted by adjusting the **Cycle Start Hour** setting.

The **Portion Control** setting is temporarily disabled during the AutoDiet Wizard™ calibration.

Cycle Start Hour

The start of each feeding day is by default set to 12 am (midnight). If desired, you may shift to a different start hour. All allowances and **Portion Control** settings are referenced to the **Cycle Start Hour**.



Example 1: if the **Daily Start Hour** is changed from 12 AM (default) to 3 AM. The AutoDiet™ system delays the daily reset by 3 hours and renews all allowances at 3 a.m. instead of midnight.

Example 2: Setting the **Daily Start Hour** to 10 PM advances the daily reset by 2 hours, moving the daytime feed hours to 4 am to 8 pm (instead of the default: 6 a.m. to 10 p.m.). See [Portion Control](#) p. 33 for details of the **No Night Feeding** setting.

Hourly Interval

▲ ▼ then ● Exit ◀

Screen View

Field	Setting
1	Hourly Interval
	6 Hour Interval
	24 Hour Interval
	No Night Feeding

Portion Control works by dividing the *adjusted Daily Allowance* for each pet into smaller intervals which are metered out incrementally, to prevent a pet from gorging its allowance too quickly (for details see **Figure 7**). Also, **Portion Control** settings can be used to restrict your pets feeding to daytime hours only.

Portion Control is global and applies to all pets.

- Hourly Interval**

[Default] Divides each the *adjusted Daily Allowance* into 24 hourly intervals. The AutoDiet™ system meters out the *available* allowance by 1/24th increments for each elapsed hour.

- 6 Hour Interval**

Divides each pet's *adjusted Daily Allowance* into four 6 hour intervals. The AutoDiet™ system meters out the *available* allowance by one quarter increments every 6 hours.

- 24 Hour Interval**

Allows a pet to feed up to their*adjusted Daily Allowance* each day without metering. (This is the off state for Portion Control). This setting effectively disables the Portion Control feature (since the allowance is not divided).

An example of each screen type is shown below. As explained in *Pet Stats* p.13, the fields shown in gray are temporarily replaced with **WizOn** or **TBD** when the **AutoDiet Wizard™** is activated.

(Daily) Allow(ance) Example

PET B

Allow 100m @ -10%

Meaning: Pet B has a **Daily Allowance** of 100 minutes. The **Adjust AutoDiet™** setting is -10% (which reduces the maximum *available* allowance to 90m). (See **Figure 7** p.24 for explanation of available allowance).

If the name Pet B has not been assigned, “**Not Assigned**” will be shown instead on the lower line.

Today Feeding Example

PET B

Today 40m = 40%

Meaning: So far today, Pet B has **Used** 40 minutes, which is 40% of its **Daily Allowance** of 100 minutes.

This screen helps you to track your pets’ feeding throughout the day. At the end of each day, the final total of **Today** minutes move over to **Yday** minutes and the **Today** minutes are reset to zero for a new day.

Y'day Feeding Example

PET B Y'day 87m = 87%

Meaning: Pet B used 87 minutes yesterday, which is 87% of its **Daily Allowance** of 100 minutes.

This screen is very useful for tracking and recording your pets daily feeding. Monitoring this statistic can provide an early warning, if your pet is eating too little or too much, compared to their normal habits. It may also provide an early warning of health problems. A record sheet can be found at the back of the Owner's Manual. If you wish you can use it to keep a historical record of your pets' daily feeding.

System Settings Display

System Settings are displayed on the LCD screen immediately after **Time and Date** is shown. There are four different status screens: Door Control, AutoDiet Wizard™, Portion Control and Cycle Start Hour.

Door Control Status Example

DOOR CONTROL Automatic

Shown set to the default value: Automatic (See Door Control p.37).

The **Daily Allowance** is independently adjustable for each pet. The **Daily Allowance** cannot be edited while the **AutoDiet Wizard™** is activated.

115 Min ▲ ▼ then ► Exit ◀

Screen View

Field	Setting
1-3	000 - 999

When setting the **Daily Allowance** manually it is very important to follow the cautions described in Putting your Pet on a Diet p.15.

If you set the **Daily Allowance** to 000m, then the slot becomes unavailable for feeding by the assigned pet or for registering by a new pet. This reduces the number of pets that can access the feeder by one for each slot that is zeroed. This can be useful when multiple AutoDiet™ Feeder units are used in the same area (see p. 43).

For kittens and puppies their daily allowance should be set to maximum feeding (999m). **DO NOT** use the **Normal Allowance** automatically calculated by the **AutoDiet Wizard™**. It is not advised to limit feeding for growing animals, unless specifically advised by your vet.

Portion Control

There are 4 Portion Control settings available:

0%
▲ ▼ then ● Exit ◀

Screen View

Field	Setting
1	-30% to +30% in 10% steps

By default the **Adjust AutoDiet™** setting is 0%; meaning the pet's maximum *available* allowance is equal to the **Daily Allowance** (0% decrease/increase).

Examples: If you wish to *decrease* a pet's maximum allowance by 20%: **Adjust AutoDiet™** is set to **-20%**. Similarly, if you wish to *increase* the maximum *available* allowance by 10% then **Adjust AutoDiet™** is set to **+10%**. This setting is independent for each pet.

Important: The **Adjust AutoDiet™** setting, limits the change in **Daily Allowance** to a maximum of +/- 30%. To adjust outside these limits, the **Daily Allowance** must be modified directly. However it is important to observe proper cautions. See: Putting your Pet on a Diet p.15.

The **Adjust AutoDiet™** setting cannot be modified while the **AutoDiet Wizard™** is activated.

Daily Allowance

If the **AutoDiet Wizard™** has completed its 3 day calibration, the **Daily Allowance** for each pet will be set automatically. Alternatively the allowance can be set manually. However, you must first select a pet, otherwise the changes will default to the last pet detected (see p.40).

AutoDiet Wizard™ Status Example

AutoDiet WIZARD™
On

Shown turned on (activated), meaning calibration of **Normal Allowance** is in progress. See **AutoDiet Wizard™** p. 30 for details.

Portion Control Status Example

PORTION CONTROL
Hourly Interval

Shown set to the default value: Hourly Interval. See **Portion Control** p.33 for details.

Cycle Start Hour Status Example

CYCLE START HOUR
12 AM

Shown set to the default value:12 AM. See **Cycle Start Hour** p.35 for details.

Alerts and Warnings

An alert is notified by a flashing red LED light and a warning message indicating the nature of the problem. Figure 6 provides a summary of the alerts and warnings provided.

Alert	Description
Reset Clock after Power Up	Reminder to reset the clock after power outage/initial power up.
Low Battery	Warning to change batteries soon.
Underfeed Alert	Warning that yesterday, a pet fed less than 65% of its Daily Allowance .
Doors Always Shut	Reminds you that the Door Control has been changed to an override setting.
Doors Always Open	
Doors Obstructed	Warning that the doors are being obstructed.

Figure 6: Alerts and Warnings

Alerts and Warnings cannot be turned off, but will disappear when the condition has been corrected.

FEEDING MODE

Feeding Mode is activated whenever a pet feeds. During this time the yellow LED flashes approximately once per second. The first time a pet feeds, the system automatically registers the new pet and assigns a default name. The LCD screen displays a greeting:

Welcome
PET A

Thereafter any time the pet feeds, the system will recognize it and greet it by name:

Hello
PET A

new pet's **Normal Allowance** will be underestimated, due to its unfamiliarity with how to activate the doors.

The AutoDiet Wizard™ FEATURE has 1 setting field:

▼ then ● Exit ◀

Off

Screen View

Field	Setting
1	Off, On

The owner is free to activate or deactivate the **AutoDiet Wizard™** at any time by setting it to either On or Off. When the **AutoDiet Wizard™** is activated, all other **AutoDiet™ Set Up FEATURES** are not available (N/A) and cannot be changed. The **AutoDiet Wizard™** is global and applies to all pets.

Important: For kittens and puppies the **Daily Allowance** calculated by the **AutoDiet Wizard™** should be overridden manually by the Owner and set to maximum feeding (see p.32). It is not advised to limit feeding for growing animals, unless specifically advised by your vet.

Adjust AutoDiet™

Once the **Daily Allowance** has been set, either manually or by the **AutoDiet Wizard™**, you can increase or decrease each pet's diet as a percentage of its **Daily Allowance**.

Adjust AutoDiet™ has 7 setting values in 10% increments:

AutoDiet Wizard™

Whenever a new pet is detected, the **AutoDiet Wizard™** is activated. The purpose of the **AutoDiet Wizard™** is to determine the normal **Daily Allowance** for each pet. Beginning at the start of the next full day, the **AutoDiet Wizard™** records how much time each pet spends feeding. After 3 days have elapsed the **AutoDiet Wizard™** calculates and sets the **Daily Allowance** for each pet. Thereafter each pet will be allowed to feed up to its **Daily Allowance**. If a pet tries to exceed its allowance, the **AutoDiet™** Feeder automatically closes the motorized doors.

Note that door operation during **AutoDiet™ Wizard** calibration is determined by the **Door Control** setting at the time of activation (see p. 37). If the **Door Control** was set to **Always Open** or **Always Shut**, then it is reset to **Automatic**. Also the **Portion Control** feature is set to **24 Hour Interval**, effectively disabling it during calibration. The original setting is restored on completion. During calibration the **Adjust AutoDiet™**, **Daily Allowance**, **Portion Control** and **Cycle Start Hour** settings are unavailable.

The recommended **Door Control** setting during **AutoDiet Wizard™** calibration is **Automatic**; unless your pets are familiar with the **Advanced** setting (have no problems activating the doors to feed). In this case either **Door Control** setting may be used.

Remember that the **AutoDiet Wizard™** is activated any time a new pet is detected by the **AutoDiet™** Feeder. If the new pet is not familiar with the **Advanced Door Control** setting, change it to **Automatic**; otherwise the

The default name can be changed to a real name of up to 16 characters at any time. (See **EDIT/DELETE PET Edit Pet Name** p.39)

The last pet detected by the **AutoDiet™** system is designated as the **Selected Pet** and the LCD screen displays **Pet Stats** for the selected pet until it is superseded. (If desired, the Owner may override the selection and choose another pet at anytime (see p.40).

If the visiting pet has available allowance remaining, the doors will open (or remain open, depending upon the **Door Control** setting) and the pet will be permitted to feed. During this time the **AutoDiet™** system keeps track of the feeding time. If a pet has no available allowance, the motorized doors immediately close and the pet is cut off until the next interval and the LCD screen displays:

Sorry! No More
Until Later!

The *available* allowance is calculated based on feature settings, which regulate the feeding behavior. These features permit the pet to be put on a diet and/or control portions so that a pet cannot gorge its entire daily allowance too quickly. It also permits an Owner to prevent pets from feeding during the night. **Figure 7** shows how the available allowance is calculated.

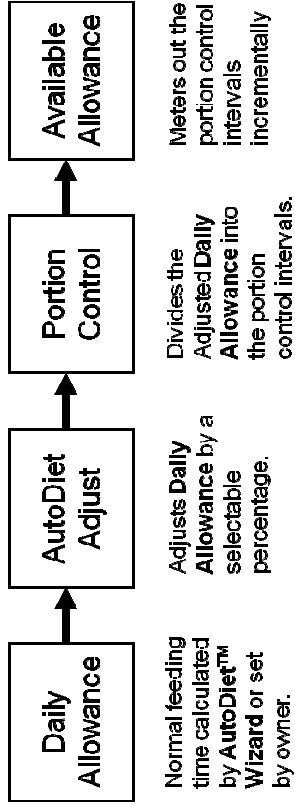



Figure 7: Available Allowance

MENU MODE

MENU MODE is activated using the keypad and is for editing SETTINGS. Editing is very easy: the menus are nested into four levels as shown in Figure 8. To change a SETTING the Owner simply progresses through the menus: selecting an OPTION, a FEATURE, and then a SETTING. Finally, the desired VALUE is selected from a scrollable list.



Menu Level	Menu Name	Example
1	OPTIONS	Time and Date
2	FEATURES	Set Time
3	SETTINGS	Day
4	VALUE	Sun, Mon...Fri

Figure 8: Menu Levels

The example in Figure 8 shows the menu path to edit the day of the week. The menu levels are accessed sequentially: level 1, 2, 3 and 4 using the keypad. It is not necessary for you to remember the menu levels/names. The LCD screen

wait until the instant the external clock advances to a new minute, then press the (●) key to synchronize the clocks.

Set Date

Set Date has 4 setting fields:

Jan 1, 2010

▲ ▼ then ▶

Exit ◀

Screen View

Field	Setting
1	Month
2	Date
3	Decade
4	Year

To speed up editing the year, it is split into two fields: a decade field and a year field. The century and millennium digits are not adjustable. (In the example screen the decade field is 1 and the year field is 0.

Month length and leap years are programmed into the calendar and will adjust automatically. However Day Light Savings time changes (if observed) must be made manually.

AutoDiet™ Set Up

AutoDiet™ Set Up allows you to select and customize the automatic and manual diet control programs. Some FEATURES can be set individually, while others are global and apply to all pets. When adjusting the SETTINGS for an individual pet, the desired pet must be selected in advance (see p. 40), otherwise any changes will default to the last pet to use the feeder.

Menu Mode Timeout

If 60 seconds elapses in MENU MODE without a key being pressed, the system automatically exits and returns to DISPLAY MODE.

AVAILABLE SETTINGS

This section provides a detailed review of all the available settings.

TIME AND DATE

Wireless Whiskers® AutoDiet™ Feeder has a built-in clock and calendar with quartz accuracy. The clock must be reset after initial power up or power outage. If not the system will provide a periodic reminder: the red LED will flash and the display will prompt you to **Reset Clock After Power Up**.

Set Time

Set Time has 4 setting fields:

Thu 12:00 AM	Field	Setting
◀ ▼ then ▶ Exit ◀	1	Day
Screen View	2	Hour
	3	Minutes
	4	A(M), P(M)

Time is displayed in 12 hour AM/PM format. The day of the week is not directly linked to the calendar and must be set at initial power up.

Synchronizing Clocks

When changing the time you may wish to synchronize to an external time source. To synchronize the second count: adjust the clock to the correct time at the start of the next minute (see Editing Settings p. 26). Then

provides simple arrow prompts to help guide you through the menus (see editing example p. 26).

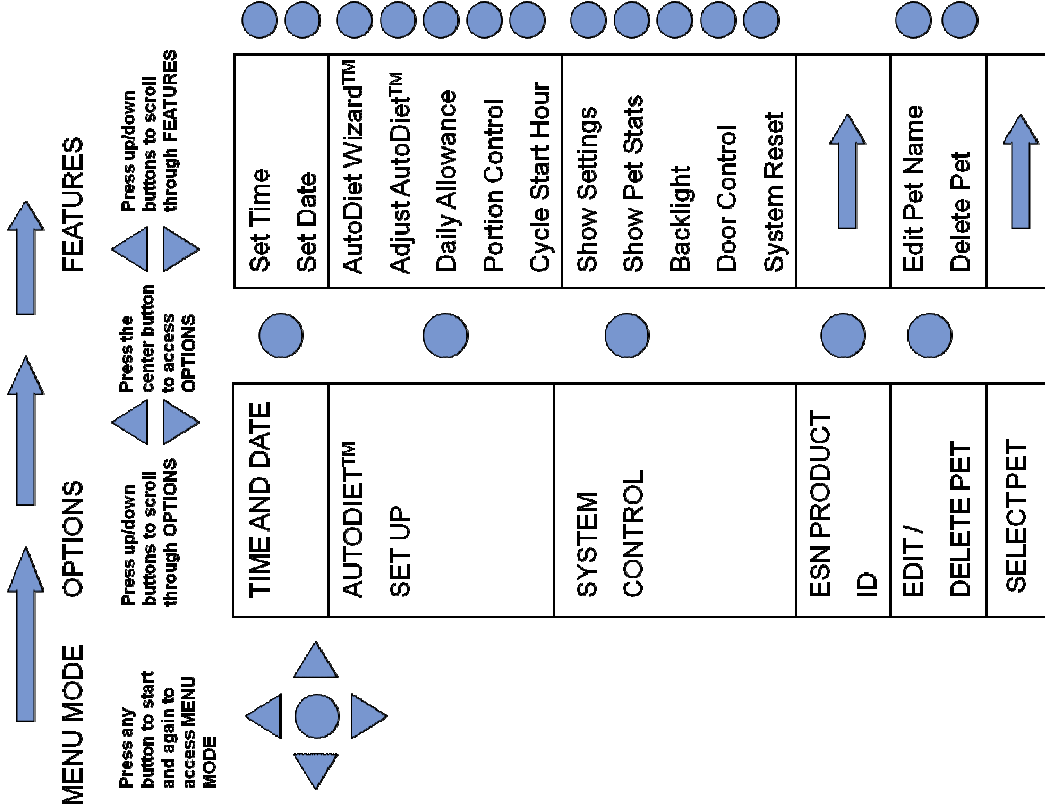


Figure 9: Menu Summary

ACCESSING MENU MODE

To access MENU MODE simply press any key to illuminate the backlight. Then press any key again and the system enters MENU MODE, showing the first entry in the OPTION menu.

provides a graphical summary of the menus available. At the top of the table is the key sequence indicating how to progress through the menus.

Editing Settings Example

The following example shows how to edit the time setting.

Press any key to start, which activates the keypad and turns on the LCD backlight. Press any key again to enter the OPTIONS menu:



Display View

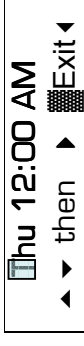
The second line prompts you to press the (◀) or (▶) key to scroll through the OPTION menu. When you reach the desired OPTION, press the (●) key to select. The menu then advances to the FEATURES menu:



Display View

In this example only two features are available: **Set Time** and **Set Date**. Follow the prompts and press the (◀) or (▶) key

to reach **Set Time**, then press the (●) key to advance to the SETTING fields:



Display View

The First SETTING will begin to flash indicating that it is ready to be edited. (Note if the SETTING field has more than one character, only the first character will flash. (In some cases this may be a blank space).

To edit a SETTING press the (◀) or (▶) keys to scroll through the list of available VALUES. In the example shown, the available VALUES for the first field comprise all the days of the week. If you keep your finger pressed on the (◀) or (▶) key; the VALUE list will scroll continuously, until you remove your finger. To advance to the next SETTING, press the (▶) key and the next field will begin to flash, indicating it is ready to be edited. Repeat this procedure until all the SETTING fields have been edited as desired. When complete press the (●) key to save the SETTINGS and return to DISPLAY MODE. (Do not press the (●) key before you have finished editing the SETTINGS, otherwise it will update only the SETTINGS you have changed, and then exit MENU MODE).

At the end of the display line, if you press the right arrow key, the flashing field will cycle back to the beginning. This is useful if you wish to correct an entry. If at any time during the editing session you wish to exit and discard your changes, simply press the (◀) key and the system will escape (Esc) to DISPLAY MODE without making any changes.