



USER MANUAL

READ ALL INSTRUCTIONS BEFORE OPERATING UNIT. SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE.

COMPONENTS

- Base Unit
- Food Hopper
- Bowl
- Lid
- Micro USB PlugUniversal USB Power Supply
- (4) "AA" Batteries (NOT INCLUDED)

NOTE: Phillips Head Screwdriver is required to insert "AA" Batteries. This ensures batteries are safely kept away from pet access.



DISPLAY PANEL & FEATURES

CLOCK: Programs the display time.

PRESET MEALS: Choose between (6) pre-programmed meal schedules.
MEAL TIME: Programs custom MEAL TIME, up to (6) per day.

MEAL SIZE: Programs custom MEAL SIZE. **SLOW:** Toggles slow feed setting ON/OFF.

MANUAL: Press to dispense food between programmed meals. 12/24: Toggles between 12 and 24-hour CLOCK display.

OZ/G: Toggles displayed food portion between Ounces and Grams. **UP/DOWN BUTTONS:** Use to maneuver various program settings.

ENTER: Press confirm program settings. **POWER:** Hold to turn unit ON/OFF.

LOW BATTERY: Will light up when battery is low. **ERROR:** Will light up when an error is detected.





THE RIGHT AMOUNT OF FOOD DELIVERED PERFECTLY EVERY TIME

The NANO Automated Pet Feeder provides PRECISION PORTION CONTROL using a dual-beam weigh mechanism and digital microprocessor. Because of this high-performance technology, DO NOT place anything on top of the feeder to avoid affecting the accuracy of the weighing mechanism.

For questions, contact Customer Support: **1-877-PETMATE** (1-877-738-6283)

SECTION 1: PRODUCT ASSEMBLY



Unpack items.



Remove Battery Door on bottom of **BASE UNIT** and install (4) new AA batteries. Once complete, reinstall Battery Door.

Note: Phillips Head Screwdriver required to remove screw to install Battery Door.



Install MICRO USB PLUG.

Note: There is a channel to route the plug LEFT, RIGHT or to the BACK of the unit.



Attach **FOOD HOPPER** starting on back side. Once back two hooks are engaged, tilt forward to lock in place. It will snap when engaged. Connection should be firm. Once installed, **DO NOT** remove. **Note:** The FOOD HOPPER will flex down, or wiggle when pushed down on the BASE UNIT. This is normal.



Slide **BOWL** into Base Unit. It will snap when engaged. To remove bowl, press circular lock button on either side of the bowl and pull forward.



Fill Food Hopper with dry pet food. Squeeze yellow latches on **LID** to unlock, once aligned and engaged to Food Hopper, release latches to lock Lid in place. **Note:** Lid only assembles one way, the front has a circular shape.



Insert Micro USB plug into the **UNIVERSAL USB POWER SUPPLY** and plug into a standard wall outlet.

SECTION 2: QUICK START GUIDE

The QUICK START GUIDE is the fastest way to program the NANO Automated Pet Feeder.
Once complete, no further programming or setup is required.

1 ASSEMBLE THE FEEDER

See page 2 for details.

2 SET THE CLOCK

- 1) Press "CLOCK" button to manually set time
 - a) The CLOCK LED will illuminate (Feeder is pre-programmed to 12-hour clock mode)
- 2) Select AM/PM
 - a) Press **UP** arrow to select AM
 - b) Press **DOWN** arrow to select PM
 - c) Press **ENTER** to confirm
- 3) Select HOURS
 - a) Press **UP or DOWN** arrow to adjust hours
 - b) Press **ENTER** to confirm
- 4) Select MINUTES
 - a) Press **UP or DOWN** arrow to adjust minutes
 - b) Press **ENTER** to confirm and complete CLOCK programming

3 CHOOSE A PRESET MEAL OPTION

- 1) Press "PRESET MEALS" button
 - a) The PRESET MEALS LED will illuminate
 - b) Press **UP or DOWN** arrow to select a Preset Meal option from the list below (P1-P6)
- c) Press **ENTER** to confirm

PRESET MEALS CHART

	MEALS/DAY	OZ/MEAL	G/MEAL	CUPS/MEAL*
P1 - 3 to 12 LB PET	2	1.0 OZ	28 G	1/4
P2 - 3 to 12 LB PET	3	1.0 OZ	28 G	1/4
P3 - 13 to 20 LB PET	1	4.0 OZ	112 G	1
P4 - 13 to 20 LB PET	2	2.0 OZ	56 G	1/2
P5- 21 to 35 LB PET	2	4.0 OZ	112 G	1
P6-21 to 35 LB PET	4	2.0 OZ	56 G	1/2

PRESET MEAL TIMES

	1	2	3	4
P1 - 3 to 12 LB PET	6:00 AM	6:00 PM		
P2 - 3 to 12 LB PET	6:00 AM	12:00 PM	6:00 PM	
P3 - 13 to 20 LB PET	12:00 PM			
P4 - 13 to 20 LB PET	6:00 AM	6:00 PM		
P5- 21 to 35 LB PET	6:00 AM	6:00 PM		
P6- 21 to 35 LB PET	6:00 AM	11:00 AM	5:00 PM	10:00 PM

^{*}Conversion to Cups is an estimate using the average measurements of 10 of the top selling cat and dog foods.

Once a PRESET MEAL option is chosen, QUICK START setup is complete. No further programming or setup is required. Custom MEAL TIME and MEAL SIZE settings can be done by going to the CUSTOM MEAL PROGRAMMING steps (page 4).

SECTION 3: CUSTOM MEAL PROGRAMMING

PROGRAM MEAL TIME

1) Press "MEAL TIME" button

a) The MEAL TIME LED will illuminate. A MEAL TIME counter will appear in the bottom left. It will be flashing "1".



- b) Press **ENTER** to begin programming MEAL TIME #1
- 2) Press ENTER to edit displayed MEAL TIME
- a) LCD display goes into MEAL TIME set mode
- b) AM/PM segment flashes (12-hour clock mode)

3) Select AM/PM

- a) Press **UP** arrow to select AM
- b) Press **DOWN** arrow to select PM
- c) Press **ENTER** to confirm

4) Select HOURS

- a) Press **UP or DOWN** arrow to adjust hours
- b) Press **ENTER** to confirm

5) Select MINUTES

- a) Press **UP or DOWN** arrow to adjust minutes
- b) Press **ENTER** to confirm. This will complete MEAL TIME #1.

6) To Program an additional MEAL TIME

- a) Press "MEAL TIME" button to re-enter programming
- b) The MEAL TIME counter will be flashing "1"
- c) Press **UP** arrow to select MEAL TIME #2
- d) Press **ENTER** to begin programming e) Repeat steps 2-5 to program an additional MEAL TIME
- f) Repeat this process for as many meal times desired (up to 6)

Note: If a PRESET MEAL option was previously selected, it will start as your meal schedule, If a PRESET MEAL was not selected, the DEFAULT MEAL SETTINGS will start as MEAL #1 and MEAL #2.

IMPORTANT: Pressing the "MEAL TIME" button in the middle of setting will exit MEAL TIME programming, WITHOUT saving any changes. If no keys are pressed in 30 seconds, MEAL TIME programming will end **WITHOUT** saving any changes.

PROGRAM MEAL SIZE

- 1) Press "MEAL SIZE" button
 - a) The MEAL SIZE LED will illuminate
 - b) LCD display goes into meal size set mode. It will be reflected as Ounces or Grams depending on what setting it is currently on.
- 2) Select desired MEAL SIZE
 - a) Press **UP or DOWN** arrow to adjust weight of food dispensed
 - b) Press **ENTER** to confirm

IMPORTANT: Pressing the "MEAL SIZE" button in the middle of adjusting the setting will exit Meal Size programming, WITHOUT saving any changes. If no keys are pressed in 30 seconds, Meal Size programming will end **WITHOUT** saving any changes.

Note: MEAL SIZE can be increased or decreased by increments of 2.5 Ounces or 7 Grams.

SECTION 4: DETERMINING PROPER MEAL SIZE

CALCULATING MEAL SIZE FROM OUNCES OR GRAMS TO CUPS

The **NANO Automated Pet Feeder** uses a dual-beam weigh mechanism and digital microprocessor to provide PRECISION PORTION CONTROL by dispensing food based on weight. Other automated feeders dispense food based on volume, which can potentially under or overfeed the pet due to the variation and inconsistency between kibble sizes.

Because many users may be more familiar with determining a portion based on Cups, see below for an Estimated Conversion Guide.

This guide was created using the average measurements of 10 of the top selling cat and dog foods.

OUNCES	GRAMS	CUPS
1.0	28	1/4
2.0	56	1/2
3.3	91	3/4
4.0	112	1
5.0	140	11/4
6.0	168	11/2
7.3	203	13/4
0.8	224	2

If a more precise conversion is necessary, use the following steps to calculate the exact conversion from Ounces or Grams to Cups for your preferred pet food.

Use MANUAL FEED to Calculate Meal Size:

- 1) Press the MANUAL FEED button until an appropriate meal size is dispensed. Make reference to the amount in Ounces or Grams dispensed on the LCD Display. Note: Ounces or Grams dispensed will appear on the display for 10 seconds.
- 2) Validate the amount dispensed against a measuring cup. If this dispensed too much or too little, repeat this process as needed until the proper MEAL SIZE is confirmed.
- 3) Note the conversion from Cups to Ounces or Grams of your preferred food. This will be your desired MEAL SIZE for this specific pet food. If you change pet foods, it will be necessary to reverify.

For questions, contact Customer Support: 1-877-PETMATE (1-877-738-6283)

DEFAULT MEAL SETTINGS

To ensure pets are always fed, the NANO is programmed out of the box to dispense the following **DEFAULT MEAL SETTINGS.** Once custom programming has been added, this will override the DEFAULT MEAL SETTINGS.

Note: In the event of a complete loss of power, programming will default back to these original DEFAULT MEAL SETTINGS.

DEFAULT MEAL SETTINGS

MEALS/DAY	OZ/MEAL	G/MEAL	CUP/MEAL
2	1.0 OZ	28 G	1/4

DEFAULT MEAL TIMES

1	2	3	4
6:00 AM	6:00 PM		

SECTION 5: CONTROL PANEL FUNCTIONS

CLOCK



The **CLOCK** function programs the real-time clock on the unit. Once the CLOCK has been set, the unit will retain the time if the unit is plugged in or powered by battery backup. The unit will retain CLOCK time even if it is turned off.

Power Failure: In the event of a complete loss of power (Wall Outlet & Backup Battery), the unit will lose all **user defined** program settings. This will be indicated by the CLOCK time flashing. Resetting CLOCK, MEAL TIME and MEAL SIZE programming will be necessary.

PRESET MEALS



The **PRESET MEALS** function is the quickest way of selecting a customized daily meal schedule. The NANO has (6) Preset Meal options to choose from. Once selected, it will override the DEFAULT MEAL SETTINGS.

Note: If a Preset Meal option is selected, it will become your meal schedule. It can then be further customized as desired in MEAL TIME AND MEAL SIZE programming. (page 3)

IMPORTANT: Pressing "PRESET MEALS" button in the middle of adjusting setting will exit PRESET MEALS programming, WITHOUT saving any changes. If no keys are pressed in 30 seconds, PRESET MEALS programming will end WITHOUT saving any changes.

PRESET MEALS CHART

	MEALS/DAY	OZ/MEAL	G/MEAL	CUPS/MEAL
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P6- 21 to 35 LB PET	6:00 AM	11:00 AM	5:00 PM	10:00 PM

MEAL TIME



The **MEAL TIME** function allows the user to program the exact time of day meals are dispensed. The NANO can program up to (6) Meal Times per day.

If a Preset Meal option was previously selected, it will start as your MEAL TIME programming. It can be further customized as desired. Each day of the week will be programmed with the same MEAL TIME schedule.

It is **NOT** possible to program different Meal Times based on the day of the week. For example, to alter Meal Times on the weekends.

Note: If a MEAL TIME is accidentally created, it can be erased by selecting the flashing MEAL TIME #, and holding **ENTER** for 2 seconds. Once a meal is erased - DASHES will replace the MEAL TIME.

MEAL SIZE



The **MEAL SIZE** function allows the user to adjust how much food is dispensed at programmed meal times.

Note: Each MEAL TIME will dispense the same MEAL SIZE.

Tip: MEAL SIZE is dispensed in either Ounces or Grams. To convert to Cups refer to Calculating Meal Size from Ounces or Grams to Cups. (page 5)

SLOW



The **SLOW** feed function reduces the speed at which food is dispensed, for pets that have issues with eating too fast.

Note: The full MEAL SIZE programmed will still be dispensed, only at a slower speed.

1) Press "SLOW" to toggle the SLOW feed function ON/OFF.

Note: SLOW feed is ON if the Turtle icon is illuminated on the LCD display.

MANUAL FEED



The **MANUAL FEED** function allows the user to instantly feed their pet between programmed MEAL TIMES. By pressing the MANUAL FEED button, food will be dispensed until the MANUAL FEED or ENTER button is pressed.

Note: Pressing the MANUAL FEED button will not reduce or affect future programmed Meal Times or Meal Sizes.

- 1) Press the **MANUAL FEED** button
 - a) The manual feed LED will illuminate
- b) The LCD display will show the amount of food dispensed
- 2) Press **ENTER or MANUAL FEED** to stop dispensing food

Note: The MANUAL FEED function will automatically terminate if 8 Ounces (224 Grams) is dispensed to avoid over-filling the bowl.

12/24



The **12/24** function allows the user to select between displaying a 12 or 24-Hour clock format. The 12-Hour clock will display AM for morning hours and PM for evening hours.

Note: Changing the clock display format will not change any MEAL TIMES previously programmed.

1) Press "12/24" to toggle between 12 or 24-Hour clock.

Note: AM or PM will disappear if 24-Hour clock is enabled.

OZ/G



The **OZ/G** function allows the user to select the measurement of weight they prefer. **Ounces or Grams.**

Note: The unit will automatically recalculate the proper MEAL SIZE when switching between Ounces or Grams.

1) Press "OZ/G" to toggle between Ounces or Grams

Tip: If cups is a more familiar food portion, refer to **CALCULATING MEAL SIZE FROM OUNCES OR GRAMS TO CUPS. (page 5)**

POWER BUTTON



The **POWER BUTTON** allows the user to turn off the unit while maintaining the user defined CLOCK, MEAL TIME and MEAL SIZE Programming. This is helpful when you want to temporarily suspend dispensing meals, like an out of town trip.

When in Off Mode, meals WILL NOT dispense. Programming will be saved if power is connected through Power Supply or Battery Backup.

- 1) Press and hold the **POWER BUTTON** for 2 seconds to turn unit off
- a) **Note:** The LCD Display will go blank while in the Off Mode
- 2) Follow the same steps to turn the unit back on
- a) Display will show current time when on. User defined CLOCK, MEAL TIME and MEAL SIZE programming will be retained, and feeder will dispense.

IMPORTANT: When the unit is in Off Mode NO FOOD WILL BE DISPENSED!

KEYPAD LOCK

The **KEYPAD LOCK** function allows the user to LOCK the Display Panel, preventing any changes to the programming. This will ensure accidental button pressing by pets, children or others will not alter the desired programming.

To Engage Keypad Lock:

- Press and hold the UP Arrow & DOWN Arrow buttons simultaneously for 2 seconds
 - a) The LCD will display the KEYPAD LOCK icon and the Display Panel is now locked
- 2) Follow the same steps to unlock the Display Panel

Note: Turning the unit off and on by the POWER BUTTON, will automatically unlock the KEYPAD LOCK.

FILL

The LCD Display will flash **FILL** when the unit is low on food. This will indicate the feeder is down to 10-15% capacity.

Note: Once the Food Hopper has been refilled, the FILL warning will automatically go away.

SECTION 5: CONTROL PANEL FUNCTIONS (CONTINUED)

LOW BATTERY



The **LOW BATTERY** LED will illuminate if the Backup Batteries are low and need to be replaced.

NOTE: The Battery Low LED will flash slowly if the unit has become unplugged.

The unit is NOT intended to run on batteries alone. Batteries are a backup to ensure user defined CLOCK, MEAL TIME and MEAL SIZE programming are maintained in the event of a power outage.

Tip: Backup Batteries should be changed when the Power Supply is plugged in to ensure user defined CLOCK, MEAL TIME and MEAL SIZE programmed is not lost.

ERROR



The NANO will attempt to dislodge and self correct a Food Jam. In the event this cannot be done, the **ERROR** LED will illuminate. Refer to **TROUBLESHOOTING** for instruction on how to fix a food jam.

If the error LED stays on after troubleshooting, contact Customer Support: **1-877-PETMATE** (1-877-738-6283)

SECTION 6: TROUBLESHOOTING

1) If no time is shown on the LCD Display:

- a) Turn on Power Button. It is possible the unit is in the Off Mode.
- b) Make sure wall outlet is functioning by plugging in a different electrical device.
- c) Check connection of Micro USB Plug and Universal USB Power Supply. It is possible the connection has come loose.
- d) Change Backup Batteries.

2) If the clock is flashing:

- a) The unit has lost power. Resetting user defined CLOCK, MEAL TIME and MEAL SIZE programming will be necessary.
- b) **Note:** Until unit is reprogrammed, it will revert to the DEFAULT MEAL SETTINGS.
- 3) If "Error" indicator is flashing, this indicates the unit did not completely deliver the full amount of food programmed for the meal:
 - a) Turn unit off by using Power Button, empty the Food Hopper.
 - b) Check for food jamming in the throat of the Base Unit. **Note:** To avoid damaging the unit, **DO NOT** use tools.
 - c) Check for jamming around food discharge door.
 - d) Dislodge any food jams. **Reminder:** Works best with ½" food diameter food or smaller.
 - e) Re-assemble, refill with food and turn on unit.
 - f) Press the MANUAL button on the display to ensure the unit will properly dispense food. **Note:** If clock is flashing, unit has lost all power. Resetting user defined CLOCK, MEAL TIME and MEAL SIZE programming will be necessary.

4) Error light is flashing, with an overfilled bowl:

- a) Unit is not able to dispense based on food being unable to fall from the
- b) Empty the bowl so future meals can dispense properly.
- c) If overfilling is consistently happening, the user defined MEAL SIZE should be reduced.

- 5) If the "LOW BATTERY" indicator light is lit:
 a) Ensure Micro USB Plug is connected to Base Unit and Universal USB Power Supply is plugged into wall outlet. Make sure no connections have come loose.
 - b) Make sure wall outlet is functioning by plugging in a different electrical device.
 - c) Refer to the Battery installation instructions and install new batteries.
 - d) If clock is flashing, unit has lost all power. Resetting user defined CLOCK, MEAL TIME and MEAL SIZE programming will be necessary.

Replacement parts are available at: www.petmate.com

SECTION 7: WARNINGS

WARNING

- **DO NOT** place anything on top of the feeder to avoid affecting the accuracy of the weighing mechanism.
- Base unit should NOT be submerged in water at any time, this will damage electronic components and void the Warranty.
 Use only with supplied Universal USB Power Supply. DO NOT use with a USB wall outlet or plug into other USB powered devices like a portable charger or computer.
- DO NOT place Power Supply or Micro USB Plug in water or liquids to protect against electric shock.

CAUTION

- For indoor use ONLY.
- Is NOT dishwasher safe. Hand clean only. For dry food use ONLY. Works best with $\frac{1}{2}$ " food diameter or smaller.
- NOT recommended for puppies or kittens less than 7 months old or unable to reach the feeding dish.
- **DO NOT** use this feeder with puppies, kittens, dogs or cats with any physical disability.
- Intended for use with dogs or cats ONLY.
- **DO NOT** allow small children to play with, in or around feeder.
- Check the LOW BATTERY light frequently to ensure the feeder will dispense properly.
- Before leaving for extended time, always replace Battery Backup with 4 new, "AA" size batteries.
- **DO NOT** place any foreign objects in the feeder.
- **DO NOT** operate feeder without Bowl, Food Hopper and Lid securely in place.
- To avoid tripping, always keep power cord out of the way of foot traffic.
- Feeder must be placed on a level surface.
- **DO NOT** disassemble feeder other than Bowl, Lid and Battery Cover.
- Dispose of all packaging material properly. Some items may be packed in poly bags; these bags could cause suffocation; keep away from both children and pets.
- **DO NOT** attempt any repairs or modifications to the feeder.
- Check with your veterinarian if you are unsure about the proper MEAL SIZE for your pet.

SECTION 8: PRODUCT SPECIFICATIONS & WARRANTY

Programming

- Program up to (6) Meal Times per day.
- All MEAL SIZE programming must be the same weight.
- User defined CLOCK, MEAL TIME and MEAL SIZE programming can be protected with use of Backup Batteries.
- DEFAULT MEAL SETTINGS are 2 meals a day. 1 Ounce/28 Grams per meal, dispensed at 6:00 AM and 6:00 PM.

Dimensions

Assembled Unit: 18.1" L X 8.0" W X 12.5" H

Capacity

Food Hopper holds approximately 7.5 LBS of dry food

Overall Weight

- Approximately 3.5 LBS (assembled without batteries and food)

Power

- Uses Standard Universal USB Power Supply and Micro USB Plug.
- (4) "AA" size batteries (**NOT INCLUDED**). Use only alkaline batteries.

Types of Food

- Dry dog food or cat food **ONLY.** Works best with 1/2" food diameter or smaller.
- Recommended for use with dry dog or cat food with a moisture content of 12% or below to prevent kibbles from sticking together.
- Do NOT use canned food.
- Do **NOT** use semi-moist dog or cat food.
- Do **NOT** use treats.

LIMITED ONE-YEAR WARRANTY

Warranted for one year from date of retail purchase against defects in material and workmanship. Solely for the benefit of the original consumer purchaser. Retain your dated sales receipt as proof of purchase.

COVERED: Replacement of defective parts or product return to consumer.

NOT COVERED: Damages caused by abuse or failure to perform normal maintenance. Any other expense. This Warranty shall not apply to any defect, malfunction or failure to conform with the Warranty provisions if caused by damage (not resulting from defect or malfunction) due to unreasonable use by the Purchaser.

This includes **Consequential Damages**, **Incidental Damages or Incidental Expenses**, **Including Damage to Property. Some States do Not Allow The Exclusion or Limitation of Incidental or Consequential Damages**, so the above Limitation may not apply to you.

This Warranty gives you specific legal rights.

QUALIFICATION FOR WARRANTY PERFORMANCE: Return product with proof of purchase and narrative description of the defect together with your name and address, freight prepaid, to: Doskocil Manufacturing Company, Inc, Warranty Division, P.O. BOX 1246, Arlington, TX USA 76004-1246. This product will be replaced at Doskocil's option and will be returned to you, within 45 days after received by Doskocil.

REQUEST FOR WARRANTY ACTION: Please direct all requests for action on this Warranty or any other product inquiries to Doskocil Manufacturing Company, Inc, Warranty Division, P.O. BOX 1246, Arlington, TX USA 76004-1246.

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