

KSF-2 SUPER FEEDER® OPERATING MANUAL

INDEX

PAGE

ADDITIONAL ITEMS REQ.'D, MODELS, ACCESSORIES, APPLICATIONS.....	1
SUPER FEEDER® OPERATION HINTS/CLEANING AND MAINTENANCE.....	2
ADJUSTING FOOD DISTRIBUTION CYCLE/SPECIAL NOTES (DETAILED)....	3
CAT/SMALL-ANIMAL SUPER FEEDER® INSTALLATION (DETAILED)	4
TROUBLESHOOTING.....	5
WARRANTY.....	6
QUICK INSTALLATION INSTRUCTIONS.....	7

IMPORTANT NOTE: Instructions listed as “detailed” are helpful for individuals who want detailed information for various Super Feeder installations and applications. Although intended for the cat feeder, we strongly suggest that you watch our short video.

<http://www.super-feeder.com/video.html>

ADDITIONAL ITEMS THAT MAY BE REQUIRED

- Remote timer optionally available. Any type of programmable timer, 120VAC or 12 TO 24 VDC (DC timer will require applicable battery). Examples of ideal timers: 24-hour lamp timer, 7 day digital timer, sprinkler timer, home automation power module, outdoor lights timer/transformer with 12VAC output, etc...**Note:** If choosing a timer for an outdoor application, most timers are indoor types and must be enclosed, so be sure you follow the manufacturer’s recommendation. Our supplied power adapter is for indoor use only or with an outdoors approved enclosure. An optional outdoor power adapter is available from us for most 120Vac outdoor timers.
 - 16 to 22 gauge 2-conductor wire of suitable length if using terminals under feeder.
- Suitable lumber (2x4 typical) or ¾” to 2-inch plastic or metal pipe for mounting bracket. Note: You may need additional parts/hardware for your particular installation.

ACCESSORIES INCLUDED WITH EACH SPECIFIC “BASIC” MODEL

- **KSF-2:** Power adapter with 6ft cord, feed time adjustment plastic screwdriver, metal mounting bracket w/retaining strap and hardware, two 2-Cup capacity hopper extensions w/locking screws for a total feeder capacity of 4 ¾ cups, and operating manual.
- **KSF-2XL:** All the above plus large stackable/detachable 1.5 gallon hopper & hardware

APPLICATIONS

- Multi-purpose automatic feeder for distribution of most types of dry pet foods including flakes, pellets, granules, sunflower seeds, corn, dry cat food (moist cat food is acceptable), etc... This feeder may also be suitable for other types of dry foods not listed here. Ideal for feeding fish, turtles, cats, small dogs, guinea pigs, rats, ducks, birds, rabbits, etc...
*XL package (optionally available) includes large stackable/detachable 1.5 gallon hopper

EXAMPLES OF PROGRAMMABLE TIMERS THAT CAN BE USED

- Plug the supplied power adapter into any digital or analog timer, and program "ON" time for desired feeding time to begin. Program a minimum "OFF" time of at least 2 minutes or more before the next programmed "ON" time to give the feeder time to reset itself. The feeder will only run for the time you calibrated its internal feed timer, totally independent of the external timer's "ON" time duration (if longer).
- Program feed cycles as described above and trigger your Super Feeder® with any X-10 or other home automation system (perfect accessory to operate your Super Feeder).
- Use the DT-03 12Vdc programmable timer (available from Super Feed) with a 12-volt battery (not supplied). Your Super-Feeder® uses an extremely small amount of power because it only needs to be powered for a short feeding cycle, thus making the battery last a very long time. Program number of “on-off” cycles as required.
- Plug several feeder power adapters into one common power strip plugged into any timer to trigger multiple feeders simultaneously, or run a wire from one feeder's bottom terminals to the other feeder's terminals.

SUPER FEEDER® OPERATION TIPS

For a good averaged daily portion, we recommend two to three feeding cycles per day, which will stimulate your pet's metabolism and keep your pet more active and healthier. Do not overfeed! Calibrate your Super Feeder® to dispense small portions more often.

As an example, you may program your remote timing device to come on at 8:00 AM and power-down at 8:15 AM, come on again at 2:00 PM and off at 2:15 PM, then finally on again at 7:00 PM and off at 7:15 PM. The feeder may be left on for any period of time after it is initially "triggered" by the remote timer. It will immediately drop food for its own pre-calibrated feeding length of time only. However, program the required 1-2 minutes of "OFF" time between cycles to reset the feeder. (Make sure the remote timer's programmed "on" time exceeds the feeder's calibrated "run" time!)

While the feeder's power-on light is on (external timer on), you may manually trigger additional feed cycles by simply pushing the feeder's reset button (right side of lateral rubber plug), or you may "manually" turn on the external timer as long as the feeder has been off 1-2 minutes since the last feed cycle.

Dry food bits may not be completely extracted by the distribution roller when the food in the hopper becomes very low. This is normal. The roller creates a much-needed internal motion to help prevent food from sticking together. Furthermore, there may be small popping sounds created by the gate's flexing action, which is a normal function. If using the small locking screws, you do not need a screwdriver each time you remove/install the lid. Firmly squeeze upper front and back sides of clear hopper extension or large 1.5 gallon hopper (where the lid fits) to release or lock it in place.

It is highly recommended that you periodically inspect and remove excess food residue that may have accumulated on the slide at the chute's outlet. Never use sharp objects to clean parts of your feeder, especially the stick resistant polypropylene slide. A soft dampened cloth works best to wipe off excess food residue.

For a thorough cleaning of your Super Feeder®, you may clean the interior of your feeder by brushing the roller with a tooth brush and wiping the inside parts with a damp cloth. You may also remove the six small screws retaining the base of the feeder. The base will come out with gear box and electronics board all in one piece. You can then submerge the whole upper housing in soapy water for a while and flush it all out with a garden hose. Thoroughly dry it and re-assemble the base while holding the feeder upside down, making sure that the slide shaker loop wire is resting against the bottom of the slide so the slide will shake.

As with any machine, preventive maintenance is very important and strongly encouraged. We strongly recommend that someone monitor the machine at regular intervals during extended absence.

Enjoy your Super Feeder®!

[Helpful online page for detailed installation \(indoor and outdoor\) and operation tips:](http://www.super-feeder.com/quickinstall.html)

<http://www.super-feeder.com/quickinstall.html>

ADJUSTING FOOD DISTRIBUTION CYCLE (detailed)

You should do this **before** installation of your Super Feeder!

1. Plug supplied power adapter directly into a 120 Volt outlet, and insert jack plug (if supplied with adapter) into feeder's side power jack located under the vertical black rubber plug. If a power adapter is supplied without a jack plug, use your own wire from the power adapter to the alternate input terminal underneath the feeder floor (that alternate terminal is what you will use outdoors, not the jack input). If you are using your own wire and power supply with a dc voltage output instead of ac, you will need to observe polarity as inscribed in the plastic below the alternate screw terminal. The positive screw terminal may be coded red. If you do not connect correctly and the feeder does not run, just reverse the wires. At completion of the above procedures, the feeder should run one full or partial feed cycle and its steady green or blue power light should come on and stay on as long as the feeder is powered. If your feeder has a blue power-on light, it will also have a green light that will go out at completion of the feed cycle when the motor stops.
2. Fill hopper with dry food, and while holding feeder over a dish, push reset switch 5-6 times, noting amount of food expelled each time it is reset until you achieve the portion size you want. Some food may drop out of the chute when initially filling the feeder, which is normal.
3. Expose feed adjustment controller (**may be a slotted shaft or dial**) under the lateral rubber plug. This feed timer controller is the primary way to control portion size by the amount of time the feeder runs per cycle. Using the supplied plastic screwdriver to turn the controller shaft or dial, adjust the controller and push the reset switch after each adjustment until required portion of food is obtained. Turn controller clockwise to increase feed time and counterclockwise to decrease it (max. time is about 70 sec.). It is sensitive, so adjust it in **fine increments! If controller has a shaft instead of a white dial, each 1/4 turn is approximately 1 second of feed time change.**
4. If not enough food is dispensed at max. time setting, try to adjust volume of food with large black volume plastic screw located above side chute, which controls the gate opening (gap between roller and gate). Turn screw clockwise to decrease flow and counterclockwise to increase it. The gate opening should be slightly less than the diameter of the pellets being used, just enough to not let the food drop through freely. **Do not over-restrict!** If you still do not get enough food to dispense, you will need to program extra feed cycles, which can be easily done with the Super Feeder.
5. Disconnect power adapter from wall receptacle and push feeder's reset button for 5 seconds to void feeder's required "off" reset time if you are going to test it soon after it has already been operated. Program your external programmable timer to come on automatically like you would for a lamp or appliance. Each "on" time will be a feeding cycle as long as you observe the required "off" reset time between cycles. See page 7 for external timer programming examples.
6. Install feeder and plug its power adapter into the programmed external timer. Keep in mind that the feeder can also be directly wired to any power adapter or timing device with a 9 to 24 Volt A.C. or D.C. output, using the alternate hook-up input terminal screws underneath the feeder. **Do not hook-up to higher voltage than listed here!**

You have now completed your feed calibration and should see a feeding cycle at the next programmed "on" time.

SPECIAL NOTES

Remember to allow at least 1-2 minutes of off time between programmed feed cycles to allow the feeder to reset itself. Your feeder may have a feed time controller with a **dial or a slotted shaft**. You will have the ability to program successive feeding cycles down to 2-3 minutes apart if using a digital timer, or 30 minutes apart with most analog timers using 15 min. on-off tabs.

The shaking action of the distribution slide is primarily designed to prevent bridging and clogging. If you want a quieter operation, you can disable that feature as follows: Facing the chute outlet, lift slide, and using a thin small object, flip the trip-wire underneath the slide forward and down (toward you) and away from the bottom of the slide. Note: If the slide does not already shake and you want it to shake during feeding, check the wire underneath the slide for proper position. If the wire is down and away from slide, reverse the procedure above to move the trip-wire back in place against the bottom of the slide.

Choose a remote timer to fit your needs. The number of "on-off" cycles will be the number of feeding cycles available. If choosing an analog timer with on-off tabs, one with 15 minute tabs is recommended. As an example, a basic 24-Hr lamp timer with 15 minute tabs can provide up to 3 cycles the first hour span. One with 30-minute tabs can provide up to 2 (1 "on" tab to trigger and 1 "off" tab to reset).

PRE-ADJUST GATE OPENING WITH THE LARGE VOLUME SCREW SO THAT GAP BETWEEN ROLLER AND GATE IS SLIGHTLY BELOW SIZE OF PELLETS.

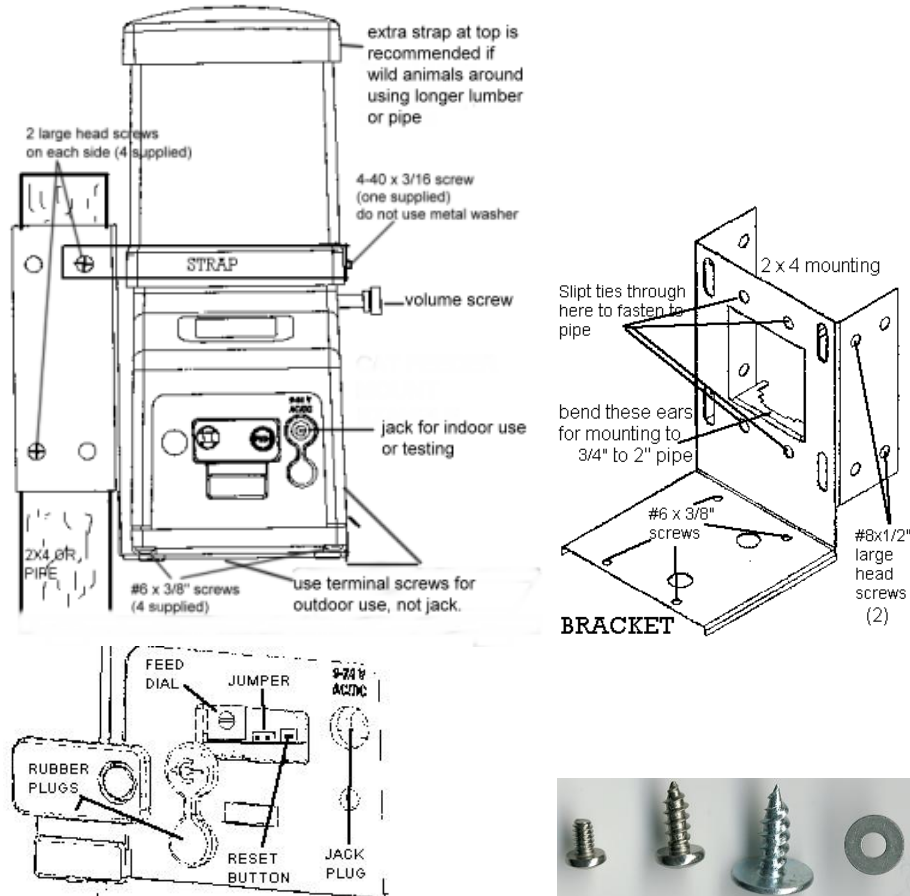
SEE <http://super-feed.com/adjustment.htm> FOR DETAILED FEED TIME ADJUSTMENT

Revised 03/3/2012

KSF-2 SUPER FEEDER® INSTALLATION

Your Super Feeder® has been designed to be weather resistant; however, to assure feeding reliability and safety, the following precautions must be observed: Your feeder should be installed no lower than 24 inches above water (the higher the better) so that pellets will broadcast better and the rain will not splatter up and into the chute from underneath the feeder. You will need to attach the feeder's mounting plate to the base of the feeder using the supplied hardware (See note at bottom of this page). The mounting bracket is designed to mount to a 2x4, or it can also be attached to a 1 1/2" to 2" pipe by bending its two inner pre-scored tabs outwards to a right angle (see below). You may hang the feeder by using a 3/4" PVC pipe and a couple of elbows (see our website). **Do not attempt to connect feeder to high voltage!** It is only designed to operate with a voltage range of 9 to 24 volts A.C. or D.C. The standard way to operate your Super Feeder® is to plug its supplied power adapter into a suitable 120-Volt remote timer. Install a two-conductor wire of suitable length from the power adapter's output screws to the feeder's terminal strip underneath the feeder. Apply grease or silicone sealant to feeder's terminals to prevent corrosion. **Do not use the power jack plug outside!** If using a D.C. power source, observe polarity. If the feeder does not run, simply reverse the wires. If operated with an outdoor lighting timer/transformer with a 12 volt A.C. output, or a lawn sprinkler timer with a 24 Volt A.C. output, you will not need the supplied power adapter. Just hook the feeder directly to the timer's low voltage output terminals. If you use the supplied power adapter, be sure to keep it enclosed and out of the weather. Always follow the manufacturer's recommendation for indoor or outdoor use of various timers. Generally, any timer utilized outdoors should be plugged into a "Ground Fault" protected outlet and should be approved for "outdoor" use. A garage or similar shelter can be an excellent place to install your remote timer and power adapter if you do not have an approved outdoors enclosure. **An outdoor power adapter is also available from us, if you would like to use your own outdoor 120V output timer.**

Although your Super Feeder® is extremely durable, you should try to place it where it will not be easily accessible to destructive animals. You may protect your Super Feeder® by hanging it, placing it out over water, forming a wire cage around it or other method. A guttering system can also be used to achieve the same thing and direct the food where you want. An electric fence system also works great to keep all wild animals off the mount. See our website for many ideas.



4-40x3/16"/ #6x3/8"/large-head /washer

NOTE ABOUT BRACKET, STRAP AND 4-40 LOCKING SCREWS: Before attaching feeder to "L" bracket, lock lower clear extension to feeder with small 4-40 x 3/16" screw and washer that will be facing the bracket. Then, attach the strap to the front of the extension and feeder using a second 4-40 x 3/16" screw, but **without** using a washer. If you use a washer, the screw will not exit through the extension and properly lock it in place. Now, attach the feeder and strap to the bracket with supplied hardware.

Note: If the screws do not satisfactorily lock an extension or lid, do away with the washer and tighten as required. **Hint: No need to use a screwdriver each time you remove the lid, simply squeeze front and back of clear extension or hopper.**

Visit <http://www.super-feeder.com/quickinstallation.htm> for step by step installation picture clips and other info.

4 Feed dial may be a slotted shaft controller without a jumper to the right of it.

TROUBLESHOOTING

<u>PROBLEM</u>	<u>POSSIBLE CAUSE/SOLUTION</u>
<u>PROBLEMS WITH ASSEMBLY?</u>	Please view our video which will be extremely helpful for assembly and operation of the Super Feeder (link in manual).
<p><u>UNIT DOES NOT RUN, DOES NOT RUN PROPERLY, OR DOES NOT TRIGGER AT PROGRAMMED REMOTE TIMER TIME or WHEN TIMER IS MANUALLY SWITCHED "OFF AND BACK 'ON" AGAIN.</u></p> <p>Some Super Feeders may have two internal lights: One power light is blue instead of green when feeder is powered, and a green light, which will only be on while motor is running. Also, the original feed adjustment dial has been replaced by a multi-turn slotted shaft screw-type portion controller for finer tuning of feed cycle time.</p> <p>Use supplied plastic screwdriver to turn dial or portion controller shaft. Slotted shaft portion controller timing change: 1 full turn = 4 seconds---1/4 turn = 1 second</p>	<p>1. Confirm power light (steady green or blue depending on model) illuminates when you plug the power adapter directly into an outlet. If light not on, power adapter could be defective. Also check for proper electrical connections. Try switching wire connections under the feeder if using that alternate input. If still not on, call or send an e-mail to possibly return unit for service.</p> <p>2. If power light is on, push reset switch and confirm that motor runs. With power off, push reset switch for 5 seconds, then plug power adapter directly into an outlet without timer. If it does not run, contact us. If it runs, check timer for proper operation/setting/programming.</p> <p>3. Reset "off" time not long enough (most common!). Make sure feeder is at least off for a minimum of 1-2 minutes between feed cycles to reset itself. If testing the feeder repeatedly, manually void required "off" reset time between test cycles by pushing the reset switch for 5 seconds with no power going to the feeder.</p> <p>4. Feeder triggers/runs for just a split second. Make sure feed cycle time adjustment is not turned all the way down (very important). Turn dial or portion controller's shaft clockwise as needed.</p>
<u>UNIT RUNS BUT DOES NOT EXPEL FOOD PROPERLY.</u>	<p>1. Clear extension and or large 1.5 gal. hopper low/empty. Fill.</p> <p>2. Food packed. Loosen food. Do not stuff kibbles in feeder.</p> <p>3. Food too large. Crush or replace food with smaller size.</p> <p>4. Feed time adjustment incorrect. Using supplied small plastic screwdriver, turn portion controller's dial or slotted shaft to the left or right in fine increments to achieve correct timing for desired portion size.</p> <p>5. Gate to roller gap too small. Rotate large black nylon screw counterclockwise located above chute.</p> <p>6. Slide does not shake. Check for proper shaking action (very important). See page 3 of instructions manual.</p> <p>7. Make sure food is not hung up inside feeder at chute opening. Clear area and consider using smaller food. If the feeder is allowed to run that way for a long time, the teeth on the drum will wear off prematurely.</p> <p>8. Distribution drum surface worn out (all the small teeth sheared off). Return for service or order new drum (also referred to as "roller."</p>
<u>UNIT EXPELS TOO MUCH FOOD</u>	<p>1. Feeding time too long. Using the supplied small plastic screwdriver, turn portion controller's dial or slotted shaft to the left in fine increments to achieve correct timing for desired portion size.</p> <p>2. Gate opening too wide. Reduce gate to roller gap by turning large black screw above chute opening clockwise.</p>
<u>ANIMALS CHEW ON FEEDER WIRES</u>	<p>1. Wires too exposed. Protect wires using flexible vinyl tubing or wire protective material found at Home Depot or Lowe's or office supply place. Hide wires as much as possible. We also have a wire protective Flex Guard available online.</p>
<u>FEEDER VERY NOISY</u>	Check for stuck food between distribution slide and chute opening and/or roller. You may also disable slide shaking mechanism (check manual for directions)--not recommended with pellets larger than 1/4" thick.
<u>HOPPER EXTENSIONS LOOSENED BY PET OR WILD ANIMALS IF USED OUTDOORS</u>	Make sure existing screws protrude into half-moon recesses of inner extension or feeder. Use extra strap or wire at upper part of upper extension (not short stand) and/or carefully drill and install longer screws all the way through extensions, or glue extensions with silicone sealant. Securely attach feeder!!

For more up to date info, go to <http://www.super-feeder.com/troubleshoot.html>

Super Feed®

WARRANTY STATEMENT

We, at Super-Feed Enterprise, warrant our Super Feeders to be free from defects in material and workmanship for a period of 1 YEAR from the original date of purchase by the original owner/purchaser. On claims submitted as outlined above, we will repair, or at our discretion replace without charge any Super Feeder that has failed through defect in material and/or workmanship (all timers and power adapters shall only be warranted for a period of 90 days from date of purchase). Suitable external 120V feeder timers can be purchased from various sources. Warranty does not cover any Super Feeder® or accessory if it is being or has been used for any purpose other than its obvious original intent, has been damaged, altered, installed and/or operated contrary to instructions. We assume no other liabilities or responsibilities other than listed herein. Missing/damaged parts must be reported within 14 days of purchase to qualify for replacements, adjustments or refunds.

WARRANTY AND REPAIR PROCEDURES

We, at Super-Feed Enterprise, are dedicated to providing you with the ultimate automatic feeder and the quality support necessary to assure your utmost satisfaction. For warranty repair, ship your product to us postage prepaid. You will be responsible for any damage incurred while in transit. We'll pay for the return shipping back to you via 3-5 Day "Ground" shipping. If you desire any other mode of shipment, Express Mail as an example, you will be responsible for the difference in cost. Please include a brief statement regarding the problem along with your original purchase receipt, your name, address and phone number for contact. You may also submit your E-mail address for easy correspondence. For non-warranty items, you will be charged for repairs and shipping. You may obtain a quote from us before sending your product for repair. Payment for repairs must be via PayPal or Credit card. Ship To: Super-Feed Enterprise, 2072 Logue Road, Mount Juliet, TN 37122 Tel. 615-470-5596

RETURN/REFUND POLICY

VERY IMPORTANT INFORMATION! We will no longer accept ANY returns for refund if any Super Feeder and/or accessories **ARE NOT IN THEIR ORIGINAL NEW-IN-THE-BOX CONDITION.** If you believe that the feeder will not work out for you when received, do not use it if you wish to return it for a refund of the feeder price. If you are not sure that your food will work, ask us or send us a sample, and we will be more than happy to test it for you before you buy or use the feeder. We are always ready to assist you with any issues you may have, but we must know about them first. Other than a possible unfortunate and rare malfunction, we know without a doubt that our product works exactly as disclosed, as well proven by thousands of past customers for the past 17 years. If your Super Feeder® has been purchased from a source other than directly from us, you should contact the seller for return/refund policy. If purchased it directly from us or from our Amazon store, you may only be refunded not to include shipping and handling and also subject to limitations listed herein. You **MUST** contact us for a return authorization number (RMA) and state reason for return **and our inability to resolve your issues**. For a full refund of the feeder price, product must be returned to us in its original packaging and new/unused condition (without damage or missing parts) within 30 days of purchase date. Any damaged items, if applicable, will also be assessed and deducted from the product price for refund. **Absolutely no refund for any item received by us past 30 days from date of purchase.** Used or not, we will of course repair/replace items under disclosed warranty terms as deemed necessary. If returned to us contrary to conditions listed herein and without our prior permission, the items will not be accepted and will be returned to you. With prior authorization, return to: Super-Feed Enterprise, 2072 Logue Road, Mount Juliet, TN 37122 (write authorization number on a top corner of shipping box) **Non-exchanged** return of **any unused** dc or ac timer (**low voltage** dc/ac timer--not typical 120V pug-in programmable timers used on feeders) will be assessed a re-stocking fee of \$20.00 per timer if returned for refund request.

For assistance with return authorization, warranty and/or repair, call or fax: (682)470-5596 or e-mail info@super-feed.com Websites: <http://www.super-feed.com> <http://www.super-feeder.com>

SAFETY REMINDER

All Super Feeders are meant to assist you in providing timely meals for your pets and not to entirely replace human supervision. As with any machine, the Super Feeder® should be monitored at regular intervals for proper operation. If you anticipate being away for an extended period of time where a lack of food could cause harm or even death to your pet (s), you **MUST** make arrangements with someone to inspect your feeder at regular safe intervals.

Super Feeder® Quick-Installation



Important note! When installing a clear extension or large hopper, make absolutely sure each tiny screw hole faces a small half-moon recess in the other part being slipped on! (1) Install one clear extension on feeder and secure it with one "tiny" 4-40 screw and round metal spacer (in feeder hardware bag) on one side only that will face the "L" shaped metal bracket. (2) Install bracket with four medium size 3/8" long screws located feeder's hardware bag (not the 4 large-head 1/2" screws!) (3) Install metal strap with one tiny 4-40 screw and no metal spacer on front side of strap. (4) Go to page 8 and assemble plastic stand/base if included with your feeder, then install feeder's "L" bracket and retaining strap to black plastic stand's tower as directed using eight 1/4 inch long screws supplied with the stand, and install bowl. Only if mounting to your own wood mount as shown on picture 4 above, attach bracket using two of four 1/2" large-head screws supplied in feeder's plastic hardware bag to each side of bracket. (5) Add and secure any additional 2-cup clear extension on top of bottom one, then plug power adapter's plug into feeder's jack. (6) Insert power adapter (style/type may vary) directly into a wall outlet, and feeder should "dry" run for one cycle along with a steady "power-on" green or blue light in housing (depending on model). (7) Adjust black "volume" screw so opening between roller and gate is about the thickness of kibbles so they will not drop straight through, then fill the feeder. Some pieces may initially fall through. (8) Lift rubber plug to expose feed time controls, then very briefly push reset switch to activate feeder. If not enough food was dispensed, turn *portion controller (9) clockwise, then push reset switch again and note amount of food dispensed. If too much food came out, turn it counterclockwise. Always turn *the controller in fine increments! For large portions, you may need to program extra consecutive feed cycles. **Time duration of feeder's own adjustable feed cycle is what primarily determines amount of food dispensed, not the external timer.** When the rubber plug is closed (10), push its right side labeled "push" for additional feed cycles while feeder is powered (no need to open rubber plug). (11) After completing steps 5 through 9, go to page 4 or 5 to program one of our timers if included with your feeder. **Any other timer of your own can also be used.** Basically, number of on-off cycles timer has available is number of times you can feed. If included, install 1.5 gallon hopper (12) on top of one clear extension (only one recommended with large hopper), securing it with one small screw and metal round spacer on each side. Only tighten as needed to lock hopper in place. Secure upper part of large hopper's neck with supplied strap (**instructions included with the large hopper**). Finish filling your feeder with kibbles as needed.

NOTE: Terminal strip underneath feeder may be used instead of jack plug for more secured hook-up by cutting off cord plug and barring wires . **FEEDER ONLY APPROVED FOR 9 TO 24 VOLT AC OR DC---ANY OTHER POWER ADAPTER WITH THAT VOLTAGE RANGE AND 200 MA+ POWER CAN BE USED. DO NOT POWER WITH HIGHER VOLTAGE BECAUSE YOU WILL VOID WARRANTY!!**

It is highly recommended that you periodically inspect and remove excess food residue that may have accumulated on the slide at the chute's outlet. Never use sharp objects to clean parts of your feeder, especially the special stick resistant and flexible polypropylene slide. A soft dampened cloth works best to wipe off excess food residue. For a thorough cleaning of your Super Feeder®, you may clean the interior of your feeder by brushing the roller with a tooth brush and wiping the inside parts with a damp cloth. You may also remove the six small screws retaining the base of the feeder. The base will come out with gear box and electronics board all in one piece. You can then submerge the whole upper housing in soapy water for a while and flush it all out under a faucet. Thoroughly dry it and re-assemble the base while holding the feeder upside down, making sure that the slide shaker loop wire is resting against the bottom of the slide so the slide will shake (click-clack) when the feeder runs. The shaking action of the distribution slide is primarily designed to help expel food and prevent clogging. If you want a quieter operation, you can disable that feature as follows: Facing the chute outlet, lift slide, and using a thin small object, flip the trip-wire loop underneath the slide forward and down (toward you) and away from the bottom of the slide.

Video explaining assembly and operation: <http://www.super-feeder.com/video.html> 7
 Although these installation instructions are for the CSF-3 cat feeder, basic operation is the same for all Super Feeders®. **Tip:** You do not need to use a screwdriver each time to remove/lock lid in place, just squeeze upper front and back sides of hopper or extension.
 * Portion control dial may be a component with a slotted brass screw-shaft adjustment.

Revised 04-16-2013