

# Cloverleaf User Manual Automatic Fish Feeder



## Introduction

Cloverleaf automatic fish feeder.  
The manual and documentation must be kept with the feeder.  
Please read these instructions prior to use. The intellectual property on drawings, models, Molds, shapes, the CE marking and everything else that relates to the execution of the assignment (remains) vested in the seller.

## Operating instructions

The operating instructions are based on CE certification and must be followed.  
Do not deviate from these instructions.

The colour and appearance are for reference only.  
Functions are subject to change without prior notice.

## Suited for

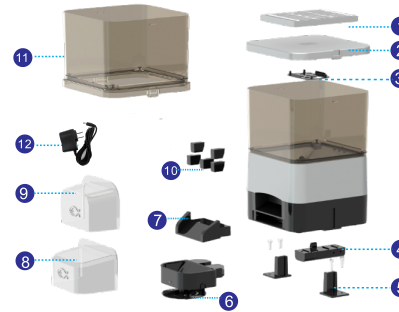
Indoor and outdoor fishponds, large fish tanks, ponds.  
Minimum size 2mm fish food, Maximum size 12mm fish food pellets.

**Dried shrimp, live insects and Irregular food cannot be used.**

## Specification

Item name: Cloverleaf Automatic Fish Feeder  
Item No.: CAF9624  
Material: ABS+PC  
Gross weight: 2.8kg/3.5kg  
Food capacity 5-6 Kg (Cloverleaf Absolute 4mm and 6mm Pellet Foods)

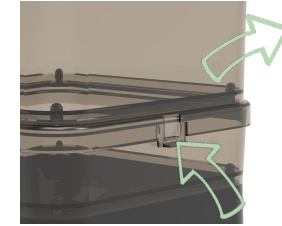
## LIST



- 1 Solar panel
- 2 Lid
- 3 Desiccant basket
- 4 Battery case 14.4wh
- 5 Fixed strut
- 6 Sprayer
- 7 Guide groove
- 8 Sprayer cover
- 9 Guide groove cover
- 10 Reduction cube
- 11 Basic feeder
- 12 Power supply

## Installation

- Basic feeder



(1) Detachable design that becomes 10 liters when disassembled.

- Installation



(1) screw the mounting support to the ground/pond edge



## Limited warranty:

This product is guaranteed for a period of 24 months from date of purchase for material or manufacturing defects, guarantee consists in guaranteed substitution of defective parts. Guarantee will be void in case of improper use, or damages caused by improper handling or negligence on the part of the buyer. All equipment must be sent postage paid.

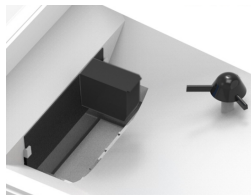
## Disposal

If you have questions about the operation / safe operation, you can always contact your supplier or Cloverleaf direct. Do not dispose this product as unsorted municipal waste. Collection of such waste separately for special treatment is necessary. This product must not be disposed together with the domestic waste. This product must be disposed at an authorized place for recycling of electrical and electronic appliances. By collecting and recycling waste, you help save natural resources, and make sure the product is disposed in an environmentally friendly and healthy way



## • Reduction cube

Using the reduction cubes, without cubes volume is around 30 grams per portion.

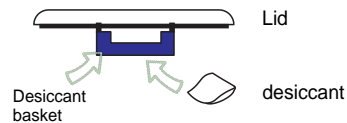


Reduction cube  
(mind the step direction, frame must be flattened)

One cube reduces the food volume by approx. 5 grams.  
The smallest food portion is approx. 5 grams.  
(The grams referred to in this manual are for reference only)

## • Desiccant pack replacement.

**(Recommended for outside use)**  
Place unopened packet onto tray under lid cover.



## • Food chute installation

Usage: Insert the Food chute into the feed outlet position. For sprayer connect the electrical plug before insertion. The control knob turns the rotating disk on or off it also controls the speed of rotation to increase or decrease the throw of food.  
Removal: Hook the bottom button, pull out the guide slot.



Sprayer/cover

Guide groove/Cover

## • Alkaline Battery installation

Open the battery cover  
And put in four AA Alkaline batteries.



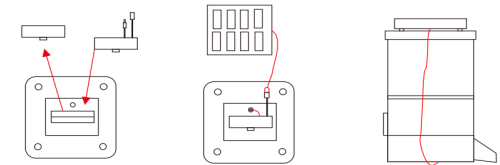
AC DC port

To use the chargeable battery supplied see Solar assist panel and additional instructions section the chargeable battery can be used without the solar panel.

**Do not mix old and new batteries.**

## • Instructions for solar power supply

**Solar panel efficiency is weather dependent battery may need a periodic full mains charge.**



1.Remove battery cover

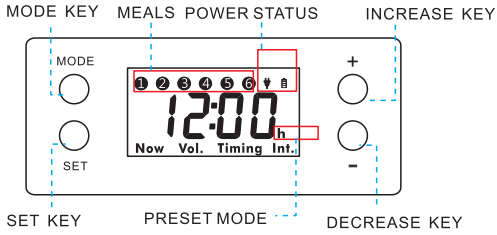
2.Connect the wire

3.Place the panel



**Warn :**  
The power input to the power supply hole on the machine cannot be higher than 8.4V.

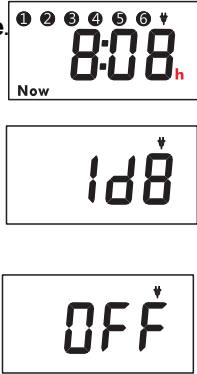
## operation panel



This feeder has 2 options to program the feeding.

### Pre-set feeding timing mode.

Press and hold the "mode set +" keys together. Press + key to select Preset mode; (the "h" will appear in the display after setting).  
 1d8 = 8 times per day at 6:00, 8:00, 10:00, 12:00, 14:00, 16:00, 18:00 & 20:00  
 1d6 = 6 times per day, at 6:00, 8:00, 10:00, 12:50, 14:00 & 16:00  
 1d4 = 4 times per day, at 8:00, 12:00, 16:00 & 20:00  
 1d3 = 3 times per day; 8:00 12:00 18:00  
 1d2 = 2 times per day 8:00 18:00  
 1d1 = 1 time per day 8:00  
 2d1 = 1 time every 2 days 8:00  
 3d1 = 1 time every 3 days 8:00  
 4d1 = 1 time every 4 days 8:00  
 OFF back to user setting mode ("h" will disappear)

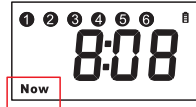


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## Setting guide

### Setting the CLOCK

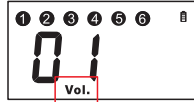
(default time is 12:00)



Press MODE key repeatedly to change to "Now" Mode. Hold the SET key, and the hours will flash. Press + key or - key for adjustment, short press the SET key the minute will flash, press + key or - key for adjustment. Press the SET key to complete.

### Portion setting

The portion is the number of times that the shutter operates per feed. The default portion is 1.



Press MODE key repeatedly to show "Vol.". Hold the SET key. Until the number flashes. Press + key or - key to adjust from 1 to 99. Press SET key to complete.

### To reduce portion size.

Use the plastic cubes supplied, without reduction cubes the food volume is about 30 grams. Place one reduction cube for 25 g; Place two for 20g; Place three for 15g; Put four for 10 grams. Place five reductions for 5 grams. (amounts will vary according to food used).

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### Feeding Timing setting

Feed at any chosen time. The default timer is 12:00 1-6 meals per day.



To Turn off unnecessary timing, turn off a meal. Example feed 2 at 13:00.

Press MODE key to select Timing mode then hold SET key (hour flashes), then press SET key 2 times to meal number 2 time 13.00, then press the + key and - key at the same time, -- will show, then press the SET key repeatedly until clock shows correct time.

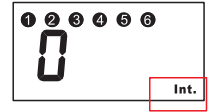
### Check timing Settings.

Press MODE key repeatedly to select Timing mode, press + key or - key to check schedule.

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### Interval setting

Feed in cycles every few days the default interval is 0 for daily cycle feeding.

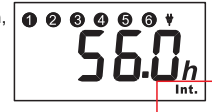


Press the MODE key until "Int" shows. Hold the SET key until the number flashes then press the + key or - key to adjust the number of days from 0 to 9. The number 0 means feeding every day, 1 means feeding every other day, and so on, the maximum interval is 9 days. Press the SET key to end.

This interval is set with memory function and reconnecting the power supply will not change.

Tips: in the interval display screen, you can press the + key to query remaining time before the next feeding.

1.1 hours is 1 hour and 6 minutes. 56 hours is 2 days and 8 hours.



Attention: if the SET key is long pressed, the interval will be calculated from the same day.

### Attention:

During feeding, one of the circles number of meals will flash. The order of flashing is related to the set timing, and the sequence closest to the feeding time will flash it does not flash, there is no feeding task for the day.



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## Manual operation

Press the - key for 3 seconds, the shutter will be opened, showing OPEN. Short press - key to close the shutter.



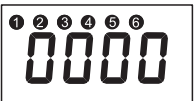
## Manual feeding

Press the + key for 3 seconds, the shutter will open, and the display will show "FEEd" the number of times the shutter operates is related to the amount set. Does not affect timing Settings.



## Continuous feeding

Press the MODE key and the + key for 3 seconds, the feeder will be in continuous feeding state. The screen automatically shows the number of feeds performed. From 0000 to a maximum of 9,999. press and hold the - key to stop continuous feeding.



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## Description of other functions

### Memory function

After a complete power failure, **only the Vol settings, Timing settings and Int settings will be retained.**

The Clock will revert to 12:00 and need re-setting to current time. When using AA Alkaline batteries with the Chargeable battery or power supply if the rechargeable battery or power supply only are removed all settings will be retained.

### Automatic switching power supply

Battery and AC/DC can be used at the same time. AC/DC supply has priority, after AC/DC is off, the feeder will switch to battery power automatically.

### Power supply parameters. (Must be put under cover)

AC110-240V 50/60 Hz  
DC 6V 1A



Power alert function



Normal

No power at all



Low battery

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## STOP Feeding

Hold down the MODE key and - key for 3 seconds to display stop. Turn off all automatic feeding. Shortly press the - key to restore.



## Reset

Hold the SET key and - key for 3 seconds, the display shows. "RSt (factory settings are restored).



## Rain cover

When used outside **always use the supplied rain cover** to prevent the feed tray from getting wet and the food from sticking to the tray.

## Trouble shooting

Display	Cause	Methods
No display Or show- - -	Low power	Replacement of Batteries or power supply
Displays OK action incomplete	Wrong food type inside Or reduction cube wrong	Check the type of food press the reduction cube
Display OK but no action	The internal parts fall off and become loose	Re-screw and fix it again

## Maintenance and repair

**Do not soak or submerge in water.**  
**Do not put the fish feeder into a closed fish tank.**  
**When long-term not in use, you must take out the battery pack and charge at least every 4 months.**  
**Do not use non-original power adapter.**  
**Wipe the fish feeder surface with a soft towel if needed.**  
**Do not put near fountains and air jets to prevent water intrusion.**  
 For service contact Cloverleaf Industries Ltd.  
 Tel: 01277 366002 or email: cloverleafind@outlook.com

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