MARGO SQUAWK BOX

1821 - INSTRUCTION MANUAL

FOR PRODUCT
MANUALS AND VIDEOS,
SCAN THE QR CODE

SCAN ME
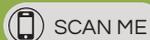
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ABOUT

PARTS:

Control Box | Squawk Box Speakers | U-Bolt with Plastic Spacer | Alligator Clips

Standard Parts

Margo Solar Kit
1820c / 1821c option

A/C Wall Adapter
1820b / 1821b option
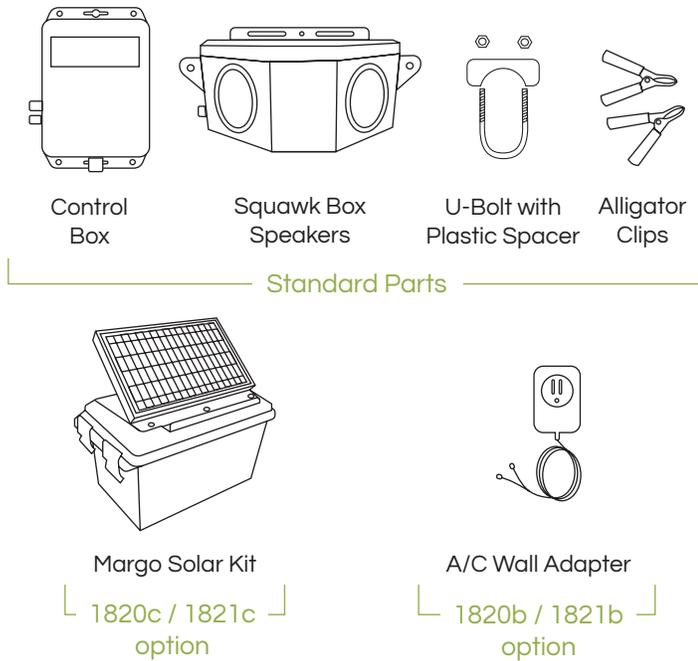
The Squawk Box is a Distress Cry Generator device that uses a combination of both the distress calls of regional specific birds and calls from predatory birds. The Distress Cry Generator uses sounds from 40 species depending on the target ecosystem which can easily be adjusted using a knob on the Control box. The Squawk Box control box is equipped with two speaker boxes, each box contains two high-powered weather resistant speakers that project sounds 180°.

FEATURES

- ▶ Programmable quiet times.
- ▶ Weather Resistant and easy-to-use control box.
- ▶ Solar-powered options.
- ▶ Customize sound output up to 90dB.
- ▶ Dual-Speaker output allows for multiple configurations.
- ▶ One speaker box projects sounds 180° or 360° when secured back-to-back.
- ▶ Adjustable time intervals.
- ▶ Choose from 40 bird sounds to target select birds, or use one of our expert curated sounds sets.

180°
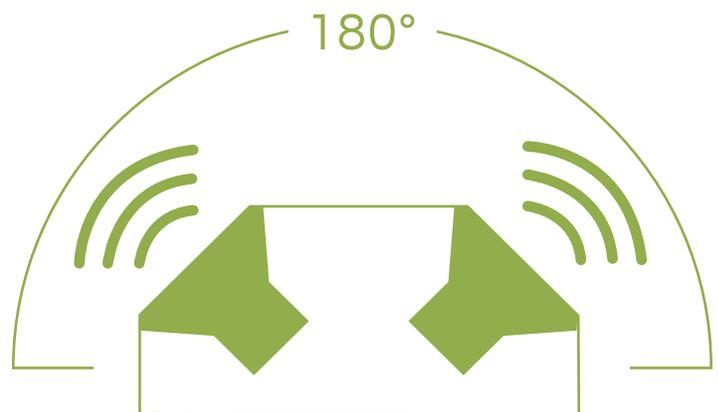
- ▶ 12VDC nominal power supply should provide at least 4A of current.
- ▶ Settings are premanently saved on control device.

PROGRAMMING

1. Rotate the "Control Knob" to navigate the menu. The menu wwill reset to the homepage after 45 seconds without use. Settings are saved and stored in an internal memory.
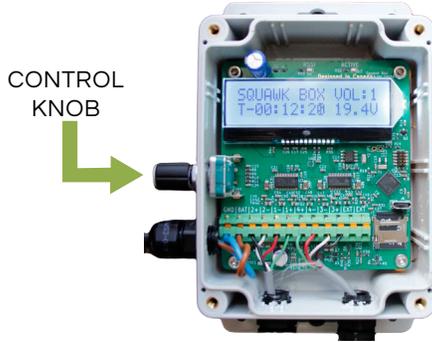
CONTROL KNOB

2. When first turned on, the screen will flash with a welcome screen:

```
Margo Squawk Box
T-0:15:00   12.1V
```
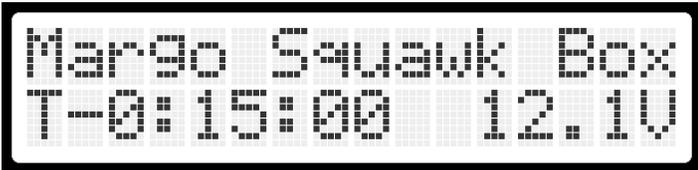
While on this screen, turn the **Control Knob** to adjust master volume.

Please Note: Volume is adjustable between 0 - 9, during setup/ testing we recommend using a low volume setting for your safety as louder settings can be harmful at close range.

3. The home screen will display the master volume, the countdown until the next interval and the battery voltage.

```
SQUAWK BOX  VOL:1
T-00:15:00 12.5V
```
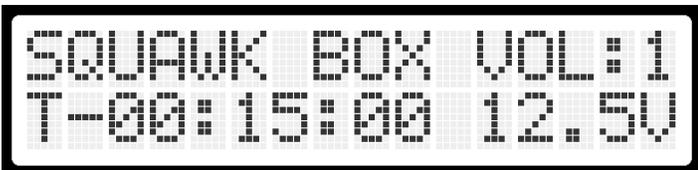
4. From the main screen, press the Control Knob once to display the list of options for the Squawk Box device.

   The options are as follows:

   - Set Delay?
   - Set Time?
   - Quiet Time 1
   - Quiet Time 2
   - Change Soundset
   - Customize Sounds
   - Test Play

SETTING INTERVALS:

5. Navigate to "SET DELAY" and press the control knob. Scroll to select delay and press Control Knob to save selection.

```
SET DELAY ?
15 MIN
```
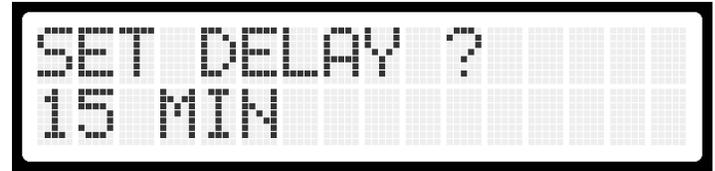
ON DEMAND	➡	No timed firing will occur, for use with radio.
FIXED TIME 9 | 15 | 30 | 60 | 120	➡	Set fixed times between sounds.
RANDOM 5 | 15 | 60 | 120	➡	Set random times between sounds.

example: Random Max 15 will activate sounds randomly during the 1 to 15 minute range.

6. To set the time, navigate to "SET TIME" and press the Control Knob.

```
SET TIME ?
11:45:00
```
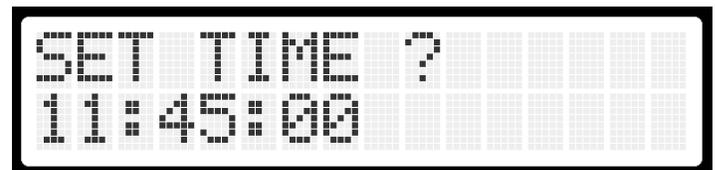
From here, you will be asked to change the hour, press the Control Knob to save your selection.

```
SET HOUR          ✳
11:45:00
```
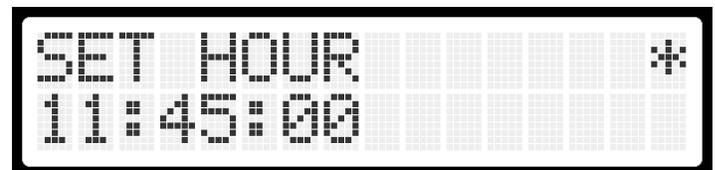
PROGRAMMING

SETTING QUIET TIMES:

7. The Squawk Box has the option to set up to 2 quiet times. Quiet times are ranges of times in which the device will not play sound. To set quiet times, navigate to "QUIET TIME 1" or "QUIET TIME 2" and press the Control Knob. Quiet Times are OFF by default.

```
QUIET TIME 1
OFF
```
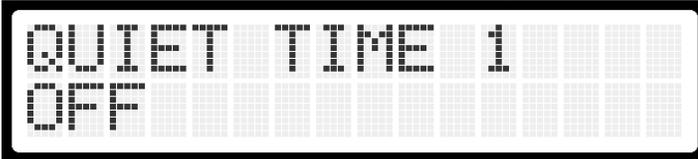
8. When setting up Quiet Times, you will be asked to input the ON hour and minute, press the Control Knob to save your selection.

```
QUIET 1 ON HOUR*
11:00 - 00:00
```
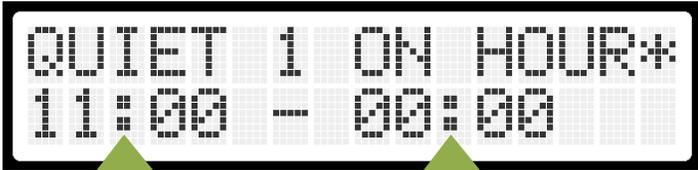
ON TIME   OFF TIME

ON TIME - The time that the machine is set to begin producing noise.

OFF TIME - The time that the machine will stop producing noise.

SOUND SETS:

```
Change Sound Set
Backyard
```
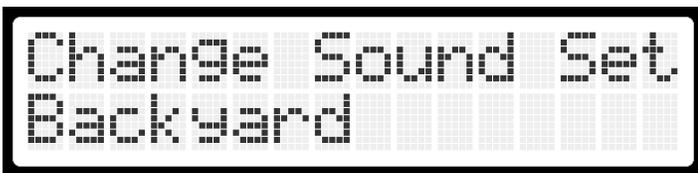
SOUND SETS are a list of specific sounds that will be played in sequence. Each set is named and curated for the environment it is intended to target.

9. To change the Sound Set, navigate to "Change Sound Set" and press the Control Knob, this will take you to a screen that says "Select Set", from here you will see a list of sets.

Turn the knob to the desired Sound Set and press the Control Knob to save your selection.

See page 10-11 for sound set options and a detailed list of species in each sound set.

CUSTOMIZE SOUNDS:

All individual sounds in a Sound Set are ON by default. To remove sounds from a set, or create your own selection of sounds, you must use the "CUSTOMIZE SOUNDS" option on the menu.

```
customize sounds
```
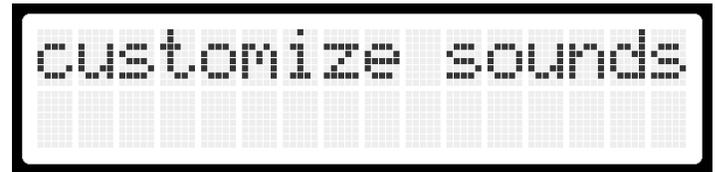
When you enter this menu you will be given the option to toggle on/off each sound in a Sound Set.

SOUND SETS

SOUND SET OPTIONS:

- ALL
- BACKYARD
- BLACKBIRD
- CROW SPECIAL
- DEMO
- FOREST
- FRUIT
- GULL
- LANDFILL
- MARGO AG COMBO
- NORTH AMERICA
- RAPTOR
- SPARROW
- STARLING
- SWALLOW
- WOODPECKER

ALL:

All plays all available bird species (page 12).

DEMO:

The demo playlist is used for speaker testing or can be used as a custom playlist.

BACKYARD:

Blackbird
Common Grackle
Magpie
Peregrine Facon

European Starling
Red-Winged Blackbird
Sharp-Shinned Hawk

SOUND SETS

BLACKBIRD/STARLING:

American Robin	Magpie
Blackbird	Peregrine Falcon
Blue Jay	Sharp-Shinned Hawk
House Sparrow	White-Throated Sparrow
North American Flicker	Yellow-Bellied Sapsucker

CROW SPECIAL:

American Crow	Peregrine Falcon
Magpie	Red-Tailed Hawk

FOREST:

American Robin	Magpie
Bald Eagle	North American Flicker
Barn Swallow	North American Kestrel
Blue Jay	Red-Tailed Hawk
Cedar Waxwing	Sharp-Shinned Hawk
Common Grackle	Song Sparrow
European Starling	White-Throated Sparrow
House Sparrow	Yellow-Bellied Sapsucker
Lincoln Sparrow	

FRUIT:

American Crow	Common Grackle
American Robin	European Starling
Blackbird	House Sparrow
Blue Jay	Red-Tailed Hawk
Cedar Waxwing	Sharp-Shinned Hawk

GULL:

Bald Eagle	Herring Gull
Black Gull	Ring-Billed Gull
Franklin's Gull	Peregrine Falcon

LANDFILL:

American Crow	Herring Gull
Blue Jay	Ring-Billed Gull
Bald Eagle	Magpie
Black Gull	Peregrine Falcon
Franklin's Gull	

MARGO AG COMBO:

American Crow	House Sparrow
American Robin	Red-Winged Blackbird
Barn Swallow	Red-Tailed Hawk
Blue Jay	Sharp-Shinned Hawk
European Starling	Yellow-Bellied Sapsucker

NORTH AMERICA:

American Crow	Magpie
American Robin	Peregrine Falcon
Blackbird	Red-Winged Blackbird
European Starling	Ring-Billed Gull
Franklin's Gull	White-Throated Sparrow
House Sparrow	Red-Tailed Hawk
North American Flicker	Sharp-Shinned Hawk

RAPTOR:

North American Kestrel	Red-Tailed Hawk
Bald Eagle	Sharp-shinned Hawk
Peregrine Falcon	

SPARROW:

House Sparrow	Sharp-Shinned Hawk
Lincoln Sparrow	Song Sparrow
North American Kestrel	White-Throated Sparrow
Red-Tailed Hawk	

STARLING:

European Starling	Red-Tailed hawk
Peregrine Falcon	Sharp-Shinned Hawk

SWALLOW:

|	
Barn Swallow	Peregrine Falcon
House Sparrow	Sharp-Shinned Hawk
Lincoln Sparrow	Song Sparrow
North American Kestrel	White-Throated Sparrow

WOODPECKER:

North American Flicker	Sharp-Shinned Hawk
Peregrine Falcon	Yellow-Bellied Sapsucker
Red-Tailed Hawk	

TESTING SETTNGS

```
>EXIT?
 Chickadee        Y
```
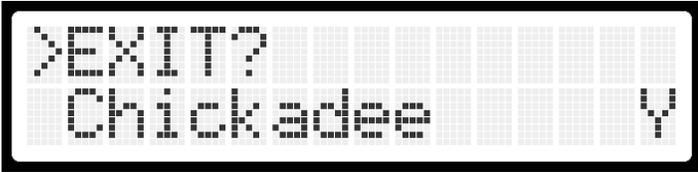
To set ON » Y
To set OFF » N

When satisfied with sound selection, hover
>EXIT? and press Control Knob to return to
menu.

Custom Sound sets can also be created.
Please contact Margo Supplies for more
formation.

AVAILABLE BIRD SPECIES:

- American Crow
- American Robin
- Bald Eagle
- Barn Swallow
- Black-Billed Magpie
- Blackbird
- Black-Headed Gull
- Blue Jay
- Cedar Waxwing
- Common Grackle
- Common Tern
- European Starling
- Franklin's Gull

- Herring Gull
- House Sparrow
- Lincoln Sparrow
- North American Flicker
- North American Kestrel
- Peregrine Falcon
- Red-Tailed Hawk
- Red-Winged Blackbird
- Ring-Billed Gull
- Sharp-Shinned Hawk
- Song Sparrow
- White-Throated Sparrow
- Yellow-Bellied Sapsucker

CHOOSE THE BEST SOUND FOR YOUR TARGET SPECIES BY SELECTING THE TARGET SPECIES AND A PREDATOR

When you are done customizing settings on
the device, select **"TEST PLAY"**

```
TEST PLAY
```
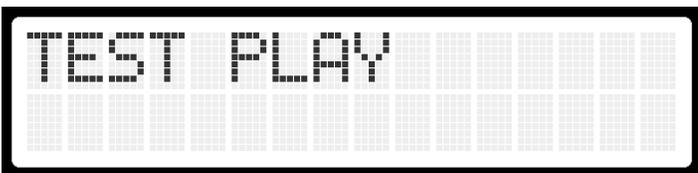
IMPORTANT: *If you would like to test volume
of device, please ensure that device is a safe
distance away from any individauls as louder
settings can be harmful at close range.*

The device will play through each sound in
sequence. You will be able to adjust the sound
of the device during testing.

```
Chickadee        :2
#
```
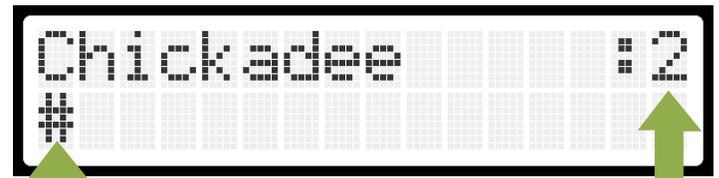
SOUND PROGRESSION   VOLUME

During testing, each sound will be displayed
on screen with the VOLUME and SOUND
PROGRESSION (displayed as # symbol)

Please Note: *Adjusting the volume during
testing will adjust the master volume
outputted during scheduled intervals.*

MOUNTING OPTIONS

POST MOUNTED:
USING U-BOLT WITH PLASTIC SPACER

To mount the Squawk Box to a post, you will need the provided u-bolt with plastic spacer. Simply loosen the nuts and remove the U-bolt, place the post in the U-bolt and tighten nuts in place to secure the unit.

WALL MOUNTED:
USING SCREWS

For wall mounting your unit, remove the U-bolt and spacer and use screws to secure the unit. There are multiple holes on the control box and speakers to accomodate the best screw positioning for your product.

POWER OPTIONS

A/C POWER ADAPTER AND 12V BATTERY:
REMOVING ALLIGATOR CLIPS

If you are using the A/C wall adapter, you will not need the provided alligator clips. To remove the alligator clips, pull back the rubber on the attached clip and unplug the cable from the clip (see figures below).

STEP 1:   STEP 2:

STEP 3:
Removing alligator clips for A/C power adapter and 12V battery inputs.

A/C POWER ADAPTER

12V BATTERY

MARGO SOLAR KIT:
USING ALLIGATOR CLIPS

If you are using the Margo Solar Kit (1820c /1821c) power option, use the provided alligator clips on the power cables. Attach the alligator clips to the outside of the solar box. Ensure that the wires in the box are also connected to the 12V battery.

TROUBLESHOOTING

PROBLEM	CAUSE	SOLUTION
	System is not programmed correctly.	• Check to ensure the system should be playing sounds - the unit will not emit noise during set "quiet" periods. Use "Test Play" feature on the Control Box to play a sound for verification. • Check to ensure volume is turned up to sufficient level.
LCD screen on control box works but no sounds are playing.	Speakers are not receiving power.	• Check to ensure speaker cable is connected. • Check speaker cable for signs of damage, cuts, or frays. • Check speaker housing for signs of damage or water. If damage or water is found contact Margo Supplies.
	System is too hot to function.	• LCD screen will display an "Overheat Warning" on the menu screen. Move control unit to a more shaded area.
	Sound Card is missing or damaged.	• LCD screen will display a "SD Card Error" on the menu screen. Contact Margo Supplies.

TROUBLESHOOTING

PROBLEM	CAUSE	SOLUTION
LCD screen on control box does not light up.	System is not receiving power.	• Check to insure all power cables are connected. • Check to ensure battery is charged or A/C power source is live. The Control Board is equipped with a voltage reader that will display on the LCD. Below 11 Volts means the battery needs to be recharged. • Check all power cables for signs of damage, cuts, or frays. • Check battery terminal connection for corrosion.
	System is damaged.	• Inspect for signs of physical damage or water. If damage or water is found contact Margo Supplies.
LCD screen is frozen.	System may be experiencing firmware or SD card problems.	• Disconnect power source and reconnect to reset.