a. BACKLIT LCD SCREEN

The LCD screen displays menu options and current status of the Oracle. The top row displays current dial settings. From left to right:

MAX SPEED value (28 - 1000) see **g.**
DAMPING in seconds (.055s - 2.55s) see **h.**
DEADBAND mode (LIN or LOG) see **i.**

The first two numbers in the bottom row show the current X/Y value of the of the joystick. The third number is the current LIN/LOG value (0-99 in LIN mode and 99-0 in LOG mode).

To access child menus from the home screen, press the **MENU** button (**b.**) on the Oracle.

b. MENU BUTTON

The **MENU** button is used to call up the Oracle menu when on the home screen. It can also be used to escape back to parent menus and cancel changes when altering settings in the Oracle options.

c. ENTER BUTTON

The **ENTER** button is used to save settings when making changes to the Oracle options. Alternatively, the center **JOYSTICK BUTTON** (**j.**) can also be used in most cases.

d. e. f. MEMORY BANKS 1, 2, AND 3

The Oracle has 3 memory banks for storing and playing back camera moves. Each bank can be cleared by holding the corresponding button down for 5 seconds.

The **1, 2, AND 3 BUTTONS** can also be used to select their corresponding menu options when navigating the Oracle settings menus.

For more information on recording and playing back camera moves, reference that section in this quick start guide or in the Oracle manual.

g. MAX SPEED CONTROL DIAL

This dial is used to control the maximum speed of the elektraDrive motors. The value is adjustable from 28 (being the slowest) to 1000 (being the fastest) and is displayed in the left column of the top row on the home screen. For the sliders, these values are arbitrary and will vary depending on the which series of motor you are using.

ORACLE QUICK REFERENCE

For the complete ORACLE manual, visit KesslerCrane.com

Adjust and test as needed to achieve the speed required.

This dial can be adjusted in real-time during a camera move to ramp speed up and down. These values are also recorded if creating a recording to one of the memory banks.

h. DAMPING CONTROL DIAL

This dial is used to control the damping of the elektraDrive motors. The value is adjustable in seconds from .055s to 2.55s and is displayed in the center column of the top row on the home screen.

Damping is the amount of time the motor takes to achieve maximum speed (**g.**). This helps smooth the motion of moves.

A low value will make the motor jump to full speed quickly creating snappy moves. A higher value will slowly ramp the motor up to speed and then back down when the joystick is released. This is useful when wanting to create very smooth moves with gradual start and stop motions.

Select the time frame you want in seconds to determine how much damping is applied to the motor start up and shut down.

i. DEADBAND CONTROL DIAL (LIN/LOG)

The **DEADBAND** dial controls the sensitivity of the joystick. The values can be adjusted from 0 - 99 in LIN (linear) mode and 99 - 0 in LOG (logarithmic) mode.

Deadband is the circle of travel from the center of the joystick before power is sent to the motor(s).

In LIN (linear) mode, 50% travel of the joystick equates to a 50% increase in speed. By adjusting the LIN value, you can increase and decrease the sensitivity of the joystick. Higher numbers will make the joystick less sensitive toward the middle. Any remaining travel of the joystick will be in linear values.

In LOG (logarithmic) mode, the movement of the joystick has an exponential effect on the speed of the motors. In this mode, the first 50% of joystick will increase power from 0 to approximately 10% on the motor(s). The remaining 50% of joystick will increase speed from approximately 11% to full power.

Logarithmic mode is useful if fully zoomed in with your camera. It allows very precise, slow control at the center of the joystick with the ability to perform quick moves as the joystick is moved to the outer limits.

j. JOYSTICK BUTTON

The **JOYSTICK BUTTON** is used for making selections in the menu system of the Oracle. It functions the same as the **ENTER** button (**c.**)

k. JOYSTICK

The Joystick is used for moving sliders left and right (X travel of joystick) and Pan/Tilt heads (X and Y travel of joystick). It is also used for navigating the menu system of the Oracle.

The current position values of the joystick are displayed in the first two columns of the second row on the Oracle home screen (**a.**). The first number values display the X value while the second set of numbers display the Y value.

The Joystick can be moved during a recorded playback to cancel all playback moves immediately. It acts as an "emergency brake" during live playback. This feature is disabled in time lapse modes.

Record & Playback of Slider Move

1. Connect the Oracle to the elektraDrive motor with a standard cat 5 cable.
2. Connect the power to the Oracle
3. Select `2:Slider` by moving the joystick up or down, or by hitting the red **2 BUTTON**
4. Press **ENTER** to select
5. Orient the slider so that the elektraDrive motor is to your left
6. Use the joystick to move the camera carriage to your desired start position. Note this position. For convenience you can use a piece of tape.
7. The Oracle has 3 memory banks indicated by the **1, 2** and **3 BUTTONS.**
8. Press and hold any **NUMBERED BUTTON** for 5 seconds to clear that particular memory bank
9. The screen will say `erasing` and after a few moments it will display `move joystick to start record`
10. Move the joystick left and right or press the center button of the joystick to begin recording your camera movement
11. The **MAX SPEED, DAMPING,** and **DEADBAND** dials can all be adjusted during this time and will be recorded as will the timing.
12. All movement is recorded in real time and a seconds counter is displayed on the screen
13. Press the same memory bank **BUTTON (1, 2, OR 3)** again to stop the recording
14. To play back your recorded movement, click the **BUTTON (1, 2, OR 3)** for the memory bank you recorded it under
15. The screen will prompt you to return the carriage to the start position noted previously.
16. Use the joystick to move the carriage to your start position
17. Press your memory bank **BUTTON (1, 2, OR 3)** again to start playback

Slider Timelapse Calibration

IMPORTANT: YOU MUST RUN THE CALIBRATION ON YOUR SLIDER BEFORE YOUR FIRST TIMELAPSE

1. Connect the Oracle to the elektraDrive motor with a standard network/CAT5 cable.
2. Connect the power to the Oracle.
3. Select `2:Slider` by moving the joystick up or down, or by hitting the red **2 BUTTON**
4. Press **ENTER** to select
5. Press the **MENU** button then press the **2 BUTTON** to select `2:Timelapse`
6. Press the **1 BUTTON** to enter `1:Simple`

`mode`

7. Press the **3 BUTTON** to enter `3:Cal` (calibration) mode
8. Press the **1 BUTTON** to select the 10 minute calibration or press the **2 BUTTON** to select the 30 minute calibration. Press **ENTER**. *Note: You can run either a 10 minute or 30 minute calibration. The longer the calibration time, the more accurate the results.*
9. Make sure the slider motor is positioned to your left and move the carriage to the left side of the slider using the joystick.
10. This procedure requires measuring the distance the slider moves from start point to end point. If your slider does not have a measuring index, a simple way to do this is to use a piece of tape to mark the starting position of the left edge of the carriage. When the calibration is done measure the distance from that point to the new location of the left edge of the carriage.
11. Once your start point has been marked or noted press the **ENTER** button to begin the calibration
12. The screen will display `Slider On` with a countdown number
13. Let the calibration complete. If you need to cut the calibration short you can hit enter at any time. *Note: The shorter the calibration time, the less accurate the calibration.*
14. To complete the calibration measure the distance between your start point and ending point. Move the joystick left or right to select this distance in inches or centimeters on the screen. press **ENTER**. Press **ENTER** again to save calibration data, or **MENU** to cancel calibration data.
15. Your system is now calibrated for accurate moves. If moving between extreme environmental conditions or major camera weight changes, we recommend running the calibration again to assure accuracy.

Simple Mode Slider Timelapse

1. Connect the Oracle to the elektraDrive motor with a standard cat 5 cable.
2. Connect the power to the Oracle
3. Select `2:Slider` by moving the joystick up or down, or by hitting the red **2 BUTTON**
4. Press **ENTER** to select
5. Press the **MENU** button then press the **2 BUTTON** to select `2:Timelapse`
6. Press the **1 BUTTON** to enter `1:Simple mode`
7. In Simple mode, you only need to set the distance and amount of time you want the slider to travel said distance

8. Press the **1 BUTTON** to select `1:Distance`
9. Move the joystick up and down to change the `Y:distance` amount. Distance is displayed in both inches and centimeters.
10. Once you have your desired distance adjusted press **ENTER** to save. This will bring up the next menu for setting time.
11. Move the joystick up and down to select `Y:Time`. Time can be adjusted in decimal minutes (M), decimal hours (H), or decimal days (D).
12. Once you have your desired time set press **ENTER**
13. Press **ENTER** again to begin time lapse movement
14. Press the **1 BUTTON** to run
15. The screen will display `slider on` with a timer countdown. *Note: If you selected a very long time period, movement of the carriage may not be evident. If the Oracle is counting down, the slider is moving.*

SmartLapse Timelapse

1. Connect the Oracle to the elektraDrive motor(s) with a standard cat 5 cable.
2. Connect the power to the Oracle
3. Select `1:Head` or `2:Slider` depending on which unit are using.
4. Turn **DAMPING** dial all the way down to `0.05s`.
5. Adjust **DEADBAND** dial to a value of `10` on the **LIN** side.
6. Press and hold down one of the 3 memory bank **BUTTONS (1, 2, OR 3)** for 5 seconds until the word `Erasing` appears.
7. Select `2:SmartLapse`
8. Make sure to note your start position by using marking tape or white wax pencil so that you may return to it when prompted.

Move the joystick to start the recording right away or press the center joystick button to start recording without moving the head.
   To get soft starts and stops it is best to have the speed turned all the way down then push the joystick all the way the direction you want to move as you slowly (over 10 seconds or so) dial the speed up to the desired level then back down to stop. Also, keep in mind this is an actual recording so keep your maximum speed slow, (CineSlider and Shuttle Pod: 200. Pocket Dolly: 300. Revolution Head: 100). You may notice that the movement while recording is jerky or pulsing. This is normal as that is the result of the pulse recording method of SmartLapse™.

9. To stop recording press the same memory

bank **BUTTON (1, 2, OR 3)** you chose earlier or press the center **JOYSTICK BUTTON**.
10. To playback the SmartLapse™ recording, press the memory bank **BUTTON (1, 2, OR 3)** that you recorded to and adjust the play back time using the **JOYSTICK**. You can adjust this time from the time you took to make the recording up to 29.5 days.
11. To accept the time you selected press **ENTER**
12. Return to your start position and press the memory bank **BUTTON (1, 2, OR 3)** again to start the playback.

Record & Playback of Revolution Head Move

1. Connect the Oracle to the Revolution head with a standard cat 5 cable.
2. Connect the power to the Oracle
3. Select `1:Head unit` by moving the joystick up or down, or by pressing the red **1 BUTTON**
4. Press **ENTER** to select
5. Use the joystick to move the Revolution head to your desired start position.
6. The Oracle has 3 memory banks indicated by the **1, 2** and **3 BUTTONS**.
7. Press and hold a **NUMBERED BUTTON** for 5 seconds to clear that memory bank
8. Screen will say `erasing` and after a few moments it will display `move joystick to start record`.
9. Take note of where the head is positioned.
10. Move the joystick or the press center joystick button to start recording your camera movement
11. **MAX SPEED, DAMPING,** and **DEADBAND**, can all be adjusted during this time and will be recorded as will the timing
12. All movement is recorded in real time and a seconds counter is displayed on the screen
13. Press the same memory bank **BUTTON (1, 2, OR 3)** again to stop the recording
14. To play back your recorded movement, press the **BUTTON (1, 2, OR 3)** for the memory bank you recorded it under
15. The screen will prompt you to return the Revolution head to the start position noted in step 9
16. Use the joystick to move the head back to your start position
17. Press your memory bank **BUTTON (1, 2, OR 3)** again to start playback