

## 4. Operation

### Control Panel Operation

To access the control panel functions, use the four buttons located underneath the display. Please refer to the [Product Overview](#) to see the button locations on the control panel.

Button	Function
<MENU>	Press to find an operation mode or to back out of the current menu option
<UP>	Press to scroll up the list of options or to find a higher value
<DOWN>	Press to scroll down the list of options or to find a lower value
<ENTER>	Press to activate a menu option or a selected value

### Menu Map

Refer to the Abyss 2 product page on [www.chauvetdi.com](http://www.chauvetdi.com) for the latest menu map.

Mode	Programming Levels		Description
DMX Mode	3Ch	A001–512	Sets the DMX starting address
Color Wheel	C--	C--1	White
		C--2	Magenta
		C--3	Yellow
		C--4	Cyan
		C--5	Green
		C--6	Orange
		C--L    L000–100	Counter-clockwise rotation and speed
		C--r    r000–100	Clockwise rotation and speed
Wave Effect	UAuE	Stop	No wave effect
		U--L    L000–100	Counter-clockwise wave effect and speed
		U--r    r000–100	Clockwise wave effect and speed
Dimmer	U--	u 0–255	Sets the output level
Infrared Mode	SEt	on	Turns infrared on or off
		oFF	
Temperature	tENP	t __	Shows the current product temperature in °C

### Configuration (DMX)

The Abyss 2 works with a DMX controller. Information about DMX is in the CHAUVET DMX Primer, which is available from the Chauvet website [http://www.chauvetlighting.com/downloads/DMX\\_Primer\\_rev05\\_WO.pdf](http://www.chauvetlighting.com/downloads/DMX_Primer_rev05_WO.pdf).

#### Starting Address and Personality

When selecting a starting DMX address, always consider the number of DMX channels the selected DMX mode uses. If the starting address is set too high, access to some of the product's channels could be restricted.

The Abyss 2 uses 3 DMX channels, which defines the highest configurable address to 510.

For information about the DMX protocol, download the DMX Primer from [www.chauvetdi.com](http://www.chauvetdi.com).

To select the starting address and personality, do the following:

1. Press <MENU> repeatedly until 3Ch shows on the display.
2. Press <ENTER>.
3. Use <UP> or <DOWN> to select the starting address, from A001–512.
4. Press <ENTER>.

## DMX Channel Assignments and Values

3Ch

Channel	Function	Value	Percent/Setting
1	Dimmer	000 ⇔ 255	0–100%
2	Color wheel	000 ⇔ 021	White
		022 ⇔ 042	Magenta
		043 ⇔ 063	Yellow
		064 ⇔ 084	Cyan
		085 ⇔ 105	Green
		106 ⇔ 127	Orange
		128 ⇔ 188	Counter-clockwise rotation, fast to slow
		189 ⇔ 194	Stop
3	Wave effect	195 ⇔ 255	Clockwise rotation, slow to fast
		000	No function
		001 ⇔ 122	Counter-clockwise wave effect, slow to fast
		123 ⇔ 133	Stop
		134 ⇔ 255	Clockwise wave effect, fast to slow

## Configuration (Standalone)

Set the product in one of the standalone modes to control without a DMX controller.



**Never connect a product that is operating in any standalone mode to a DMX string connected to a DMX controller. Products in standalone mode may transmit DMX signals that could interfere with the DMX signals from the controller.**

### Color Wheel

To set the color or color effect on the Abyss 2, follow the instructions below.

1. Press <MENU> repeatedly until C-- shows on the display.
2. Press <ENTER>.
3. Use <UP> or <DOWN> to select from C--1 (white), C--2 (magenta), C--3 (yellow), C--4 (cyan), C--5 (green), C--6 (orange), C--L (counterclockwise rotation), or C--r (clockwise rotation).
4. Press <ENTER>.
5. If C--L or C--r, use <UP> or <DOWN> to increase or decrease the rotation speed, from 000–100.
6. Press <ENTER>.

### Wave Effect

To set the wave effect on the Abyss 2, do the following:

1. Press <MENU> repeatedly until UAuE shows on the display.
2. Press <ENTER>.
3. Use <UP> or <DOWN> to select from Stop (no wave effect), U--L (counter-clockwise wave effect), or U--r (clockwise wave effect).
4. Press <ENTER>.
5. If U--L or U--r, use <UP> or <DOWN> to increase or decrease the effect speed, from 000–100.
6. Press <ENTER>.

### Dimmer

To set the dimmer on the Abyss 2, follow the instructions below.

1. Press <MENU> repeatedly until U-- shows on the display.
2. Press <ENTER>.
3. Use <UP> or <DOWN> to increase or decrease the dimmer, from 0–255.
4. Press <ENTER>.

### Temperature

To view the temperature of the Abyss 2 in °C:

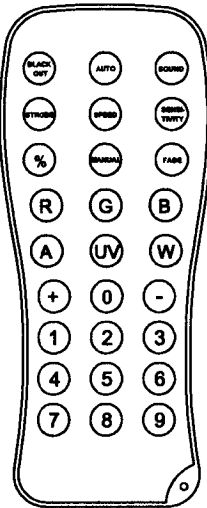
1. Press <MENU> repeatedly until tENP shows on the display.
2. Press <ENTER>.

### IRC-6 Infrared Remote Control

The Abyss 2 is compatible with the IRC-6 infrared remote control from Chauvet. To run the Abyss 2 in IR mode, follow the instructions below.

1. Press **<MENU>** repeatedly until **SEt** shows on the display.
2. Press **<ENTER>**.
3. Use **<UP>** or **<DOWN>** to select from **on** or **off**.
4. Press **<ENTER>**.

### IRC-6 Operation



#### Color Wheel

To select a color with the IRC-6:

1. Press **<1>** (white), **<2>** (magenta), **<3>** (yellow), **<4>** (cyan), **<5>** (green), or **<6>** (orange).

To set rotation direction with the IRC-6:

1. Press **<AUTO>**.
2. Press **<+>** or **<->** to toggle the rotation direction.

To set rotation speed with the IRC-6:

1. Press **<SPEED>**.
2. Press **<+>** or **<->** to increase or decrease the speed.

#### Wave Effect

To set the wave effect direction with the IRC-6:

1. Press **<SOUND>**.
2. Press **<+>** or **<->** to toggle the direction.

To set the wave effect speed with the IRC-6:

1. Press **<SENSITIVITY>**.
2. Press **<+>** or **<->** to increase or decrease the speed.

#### Dimmer

To set the dimmer with the IRC-6:

1. Press **<%>**.
2. Press **<+>** or **<->** to increase or decrease the dimmer.

Alternatively, press **<MANUAL>** to set the dimmer to 100%

#### Black Out

To black out the lights with the IRC-6:

1. Press **<BLACK OUT>** on the IRC-6.

This will turn off all the lights until the button is pressed again.

NOTE: The IRC-6 will not respond to any inputs when Black Out is activated. If the product does not respond when a button is pressed, try pressing **<BLACK OUT>**. Black Out may have been activated.

### Master/Slave Mode

The Master/Slave mode allows a single Abyss 2 product (the "master") to control the actions of one or more Abyss 2 products (the "slaves") without the need of a DMX controller. The master product will be set to operate in either standalone mode or with the IRC-6, while the slave products will be set to operate in slave mode. Once set and connected, the slave products will operate in unison with the master product.

Configure the products as indicated below.

#### Slave products:

1. Press **<MENU>** repeatedly until **3Ch** shows on the display.
2. Press **<ENTER>**.
3. Use **<UP>** or **<DOWN>** to select **A001**.
4. Press **<ENTER>**.
5. Connect the DMX input of the first slave product to the DMX output of the master product.
6. Connect the DMX input of the subsequent slave products to the DMX output of the previous slave product.
7. Finish setting and connecting all the slave products.

#### Master product:

1. Set the master product to operate in standalone mode or with the IRC-6.
2. Make the master product the first product in the DMX daisy chain.
  - Configure all the slave products before connecting the master to the daisy chain.
  - Never connect a DMX controller to a DMX string configured for Master/Slave operation because the controller may interfere with the signals from the master.
  - Do not connect more than 31 slaves to the master.

