ENCORE FR50Z

User Manual

DOCUMENT VERSION

Due to additional product features and/or enhancements, an updated version of this document may be available online.
Please check www.adj.com for the latest revision/update of this manual before beginning installation and/or programming.

Date	Document Version	Software Version	DMX Channels	Notes
10/19/2017	1	1.03	1 / 2 / 3 / 4 Ch.	Initial Release
06/26/2018	2	1.04	1 / 2 / 2-2 / 3 / 2-3 / 4 Ch.	Added additional DMX modes, Stage 2 dimmer curve, and 1.0 gamma correction
09/18/2020	3	1.06	No Change	Updated System Menu, Operating Instructions, and Primary-Secondary Confirguration
12/03/2021	4	N/C	No Change	Updated Dimensional Drawings, Specifications, and Operating Instructions

Europe Energy Saving Notice
Energy Saving Matters (EuP 2009/125/EC)
Saving electric energy is a key to help protecting the enviroment. Please turn off all electrical products when they are not in use. To avoid power consumption in idle mode, disconnect all electrical equipment from power when not in use. Thank you!

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INTRODUCTION

Unpacking: Thank you for purchasing the Encore FR50z by ADJ Products, LLC. Every Encore FR50z has been thoroughly tested and has been shipped in perfect operating condition. Carefully check the shipping carton for damage that may have occurred during shipping. If the carton appears to have been damaged, carefully inspect your fixture for any damage and be sure all accessories necessary to operate the unit have arrived intact. In the event that damage has been found or parts are missing, please contact our toll free customer support number for further instructions. Do not return this unit to your dealer without first contacting customer support.

Introduction: The ADJ Encore FR50z is a DMX intelligent, high powered LED fresnel fixture. This fixture can be used in a stand alone set up or connected in a Primary/Secondary set up. The Encore FR50z has two operating modes: dimmer control and DMX control. To optimize the performance of this product, please read these operating instructions carefully to familiarize yourself with the basic operations of this unit. These instructions contain important safety information regarding the use and maintenance of this unit. Please keep this manual with the unit for future reference.

Customer Support: ADJ provides a customer support line, to provide set up help and to answer any question that may arise during set up or initial operation.

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CUSTOMER SUPPORT
Contact ADJ Service for any product related service and support needs.
Please visit forums.adj.com with questions, comments, or suggestions.

ADJ SERVICE USA - Monday - Friday 8:00am to 4:30pm PST
800-322-6337 | Fax 323-832-2941 | support@adj.com

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REPLACEMENT PARTS please visit parts.adj.com

Warning! To prevent or reduce the risk of electrical shock or fire, do not expose this unit to rain or moisture.

Caution! There are no user serviceable parts inside this unit. Do not attempt any repairs yourself, as doing so will void your manufacturer's warranty. In the unlikely event that your unit requires service, please contact ADJ Products, LLC.

PLEASE recycle the shipping carton when ever possible.

FEATURES

- Two Operating Modes
- Electronic Dimming 0-100%
- DMX-512 protocol
- 6 DMX Channel Modes
- 3-Pin In/Out DMX Connection
- Power In/Out Connection
- USB Data Update
- Gamma Adjustment
- 5 Dimmer Curves
- Multiple Unit Power Linking

WARRANTY REGISTRATION

The Encore FR50z carries a 2 year limited warranty. Please fill out the enclosed warranty card to validate your purchase. All returned service items, whether under warranty or not, must be freight pre-paid and accompanied by a return authorization (R.A.) number. The R.A. number must be clearly written on the outside of the return package. A brief description of the problem as well as the R.A. number must also be written down on a piece of paper included in the shipping carton. If the unit is under warranty, you must provide a copy of your proof of purchase invoice. You may obtain an R.A. number by contacting our customer support team on our customer support number. All packages returned to the service department not displaying an R.A. number on the outside of the package will be returned to the shipper.

INSTALLATION

The unit should be mounted using a mounting clamp (not provided), and affixing it to the mounting bracket that is provided with the unit. Always ensure that the unit is firmly fixed to avoid vibration and slipping during operation. Always ensure that the structure to which you are attaching the unit is secure and is able to support at least 10 times the unit's weight. Also, always use a safety cable that can hold 12 times the weight of the unit when installing the fixture. The equipment must be installed by a professional installer, and it must be installed in a place where it is out of the reach of of unauthorized person(s).

SAFETY PRECAUTIONS

- To reduce the risk of electrical shock or fire, do not expose this unit to rain or moisture.
- Do not spill water or other liquids into or onto the unit.
- Do not attempt to operate this unit if the power cord has been frayed or broken.
- Do not attempt to remove or break off the ground prong from the electrical cord. This prong is used to reduce the risk of electrical shock or fire in the event of an internal short.
- Disconnect from main power before making any type of connection.
- Do not remove the cover for any reason. There are no user serviceable parts inside.
- Never operate this unit with the cover removed.
- Never plug this unit into a dimmer pack.
- Always be sure to mount this unit in an area that will allow proper ventilation. Allow about 6 in (15cm) between this device and a wall.
- Do not attempt to operate this unit if it has been damaged in any way.
- This unit is intended for indoor use only. Use of this product outdoors voids all warranties.
- During long periods of non-use, disconnect the unit's main power.
- Always mount this unit in safe and stable matter.
- Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to the point at which the cords exit from the unit.
- Cleaning - The fixture should be cleaned only as recommended by the manufacturer. See the *Cleaning* section of this manual for details.
- Heat - The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.
- The fixture should be serviced by qualified service personnel when:
  A. The power-supply cord or the plug has been damaged.
  B. Objects have fallen onto, or liquid has been spilled into, the fixture.
  C. The fixture has been exposed to rain or water.
  D. The fixture does not appear to operate normally or exhibits a marked change in performance.
  E. The fixture has fallen and/or has been subjected to extreme handling.

LAYOUT
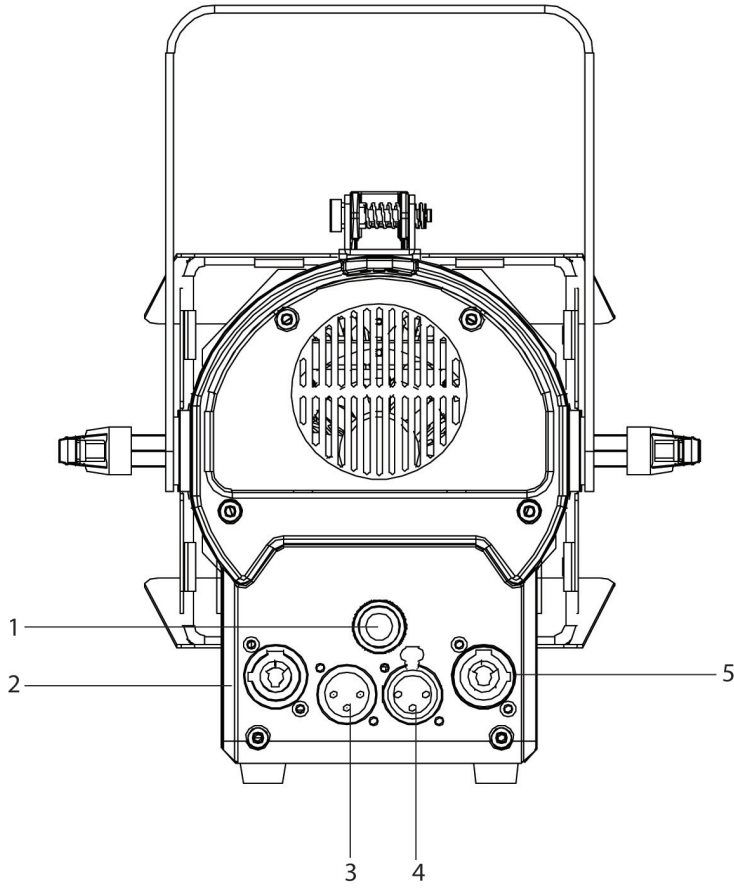
1. Zoom Adjustment Knob
2. Power In
3. 3-Pin DMX In
4. 3-Pin DMX Out
5. Power Out
6. Mode Button
7. USB Port
8. Enter Button
9. LCD Menu Control Display
10. Down Button
11. Up Button
12. Barn Door Secure Lock
13. Gel Frame
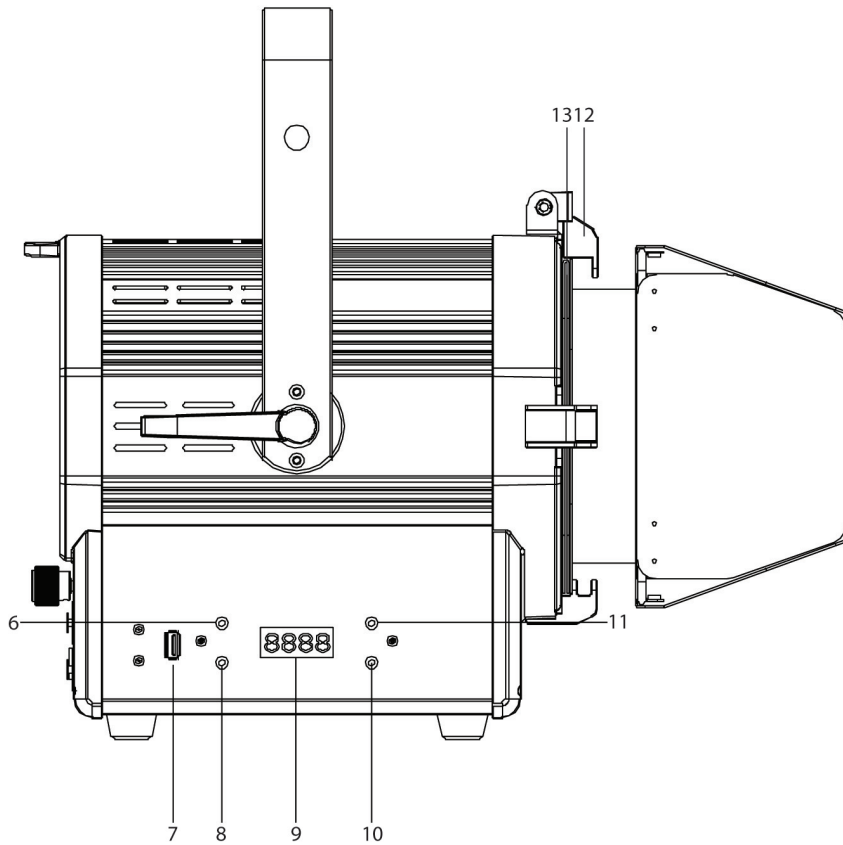
DMX SETUP

Ppower Supply: The ADJ Encore FR50z contains an automatic voltage switch, which will automatically sense the voltage when it is plugged into the power source. With this switch, there is no need to worry about the correct power voltage, and this unit can be plugged in anywhere.

DMX-512: DMX is short for Digital Multiplex. This is a universal protocol used by most lighting and controller manufacturers as a form of communication between intelligent fixtures and controllers. A DMX controller sends DMX data instructions from the controller to the fixture. DMX data is sent as serial data that travels from fixture to fixture via the DATA "IN" and DATA "OUT" XLR terminals located on all DMX fixtures (most controllers only have a DATA "OUT" terminal).

DMX Linking: DMX is a language allowing all makes and models of different manufacturers to be linked together and operate from a single controller, as long as all fixtures and the controller are DMX compliant. To ensure proper DMX data transmission, try to use the shortest cable path possible when linking several DMX fixtures. The order in which fixtures are connected in a DMX line does not influence the DMX addressing. For example, a fixture assigned a DMX address of 1 may be placed anywhere in a DMX line: at the beginning, at the end, or anywhere in the middle. Therefore, the first fixture controlled by the controller could be the last fixture in the chain. When a fixture is assigned a DMX address of 1, the DMX controller knows to send DATA assigned to address 1 to that unit, no matter where it is located in the DMX chain.

Data Cable (DMX Cable) Requirements (For DMX Operation): The Encore FR50z can be controlled via DMX-512 protocol, and has 6 different DMX channel modes. The DMX address is set electronically using the controls on the rear panel of the unit. Your unit and your DMX controller require an approved DMX-512 110 Ohm Data cable for data input and data output (Figure 1). We recommend AccuCable DMX cables. If you are making your own cables, be sure to use standard 110-120 Ohm shielded cable (This cable be purchased at almost all professional sound and lighting stores). Your cables should be made with a male XLR connector at one end and a female XLR connector at the other. Also remember that DMX cable must be daisy chained and cannot be split.

Figure 1

DMX SETUP

Notice: Be sure to follow figures two and three when making your own cables. Do not use the ground lug on the XLR connector. Do not connect the cable's shield conductor to the ground lug or allow the shield conductor to come into contact with the XLR's outer casing. Grounding the shield could cause a short circuit and result in erratic behavior.
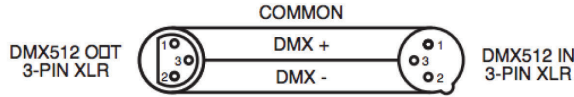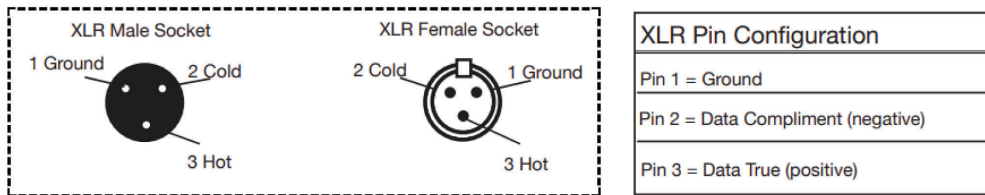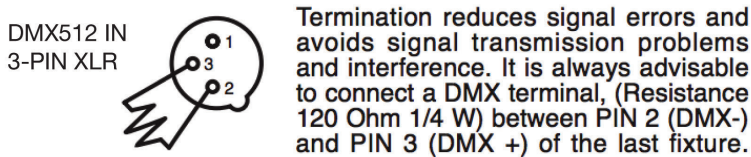

Figure 2

Figure 3

Special Note: Line Termination. When longer runs of cable are used, you may need to use a terminator on the last unit to avoid erratic behavior. A terminator is a 110-120 ohm 1/4 watt resistor, which is connected between pins 2 and 3 of a male XLR connector (DATA + and DATA -). This unit is inserted in the female XLR connector of the last unit in your daisy chain to terminate the line. Using a cable terminator (ADJ part number Z-DMX/T) will reduce the risk of erratic behavior.

Figure 4

DMX512 IN
3-PIN XLR

Termination reduces signal errors and avoids signal transmission problems and interference. It is always advisable to connect a DMX terminal, (Resistance 120 Ohm 1/4 W) between PIN 2 (DMX-) and PIN 3 (DMX +) of the last fixture.

5-Pin XLR DMX Connectors. Some manufacturers use 5-pin DMX-512 data cables for DATA transmission in place of 3-pin. 5-pin DMX fixtures may be implemented in a 3-pin DMX line by using a cable adaptor. These adaptors are readily available at most electric stores. The chart below details a proper cable conversion.

3-Pin XLR to 5-Pin XLR Conversion		
Conductor	3-Pin XLR Female (Out)	5-Pin XLR Male (In)
Ground/Shield	Pin 1	Pin 1
Data Compliment (- signal)	Pin 2	Pin 2
Data True (+ signal)	Pin 3	Pin 3
Not Used		Do Not Use
Not Used		Do Not Use

SYSTEM MENU

MENU	SUBMENU	OPTIONS		DESCRIPTION
Opening Display	Update Wait... WELCOME FR50Z Vx.xx			Start up display
Interface Display	ADDR: xxx CH:xx			Main display
MENU Set ADDR	Set ADDR xxx	001 - 509		DMX addressing
MENU User Mode	1CH			DMX channel mode selection
	2CH			
	2-2CH			
	3CH			
	2-3CH			
	4CH			
MENU Function	NO DMX	Lost DMX	Black / **Hold**	DMX lost status
	LCD Set	Display	**On** / Off	Display settings
		Key Lock	**On** / Off / On1	
		Flash	**On** / Off	
	Temp	Celsius / **Fahren**		Temperature setting
	Dim Curve	**Standard**		Dimming curve modes
		Stage		
		TV		
		Architec		
		Theatre		
		Stage2		
	Disp Set	ADDR		Main display setting
		Disp. Ch		
		Secondry		
	Gamma	1.0		Gamma brightness
		2.0		
		2.2		
		2.4		
		2.8		

SYSTEM MENU

MENU	SUBMENU	OPTIONS		DESCRIPTION
MENU Function (continued)	USB Data Off	On / **Off**		Software upload
	DFSE	On / **Off**		Return to default settings
MENU Info	Time Info	Current		Current running time (hours)
		Total Tim		Total running time (hours)
		Last Clea		Last running time cleared (hours)
		Timer Pin	On / **Off**	Clear runnung time (password = 050)
	Temp Info	Temp Info		Current LED temperature
	Err Info	Temp Err		Error information
	Model Inf	Encore FR50Z		Model identification
	Software	Vx.xx		Current software version
MENU Manual	Man Ctrl	Dimmer = xxx		Manual control mode
		Strobe = xxx		

OPERATING INSTRUCTIONS

DMX Addressing: Operating through a DMX controller gives the user the freedom to create custom programs tailored to their own individual needs.
1. To run your fixture in DMX mode, press the UP or DOWN buttons until "Set ADDR" is displayed. Press the ENTER button and "Set ADDR XXX" will be displayed. "XXX" represents the currently selected address.
2. Use the UP or DOWN buttons to find your desired DMX address and press ENTER to save the address.
3. Please refer to the ***DMX Traits*** section of this manual for detailed information.
4. After you have chosen your desired DMX Channel mode (see below), plug in the fixture via the XLR connections to any standard DMX controller.

DMX Channel Mode: The Encore FR50z has 6 DMX channel modes. This submenu will allow you to choose the DMX mode with which the fixture will operate.
1. To select your desired DMX channel mode, press the MODE button until "UserMode" is displayed. Press the ENTER button and the currently selected DMX channel mode will be displayed.
2. Use the UP or DOWN buttons to find your desired DMX channel mode and press ENTER to save your selection.
3. Please refer to the ***DMX Traits*** section of this manual for detailed information.
4. After you have chosen your desired DMX Channel mode, plug in the fixture via the XLR connections to any standard DMX controller.

DMX State: This setting defines how the fixture will behave when the DMX signal is lost or interrupted. You can also set this as the operating mode you would like the unit to return to when it is powered up.
1. Plug the fixture in and press the UP or DOWN buttons until "Menu Function" is displayed. Press the ENTER button.
2. Use the UP or DOWN buttons to scroll to "NO DMX" and press ENTER. Use the UP or DOWN buttons to toggle between the two choices:
   - *"Black" (Blackout)* - If the DMX signal is lost or interrupted, the unit will automatically go into stand by mode.
   - *"Hold" (Last State)* - If the DMX signal is lost or interrupted, the fixture will stay in the most recently configured DMX set up.
3. Once you have found your desired mode, press ENTER to confirm. Press MODE to exit to the main menu.

OPERATING INSTRUCTIONS

LCD Set Up: In this submenu, you are able to adjust the settings for the LCD display. You can program the display to blackout after 30 seconds, lock the buttons, or make the display flash.
1. Plug the fixture in and press the UP or DOWN buttons until "Menu Function" is displayed. Press ENTER to select.
2. Press the UP or DOWN buttons to scroll to "LCD.Set" and press ENTER.
3. Use the UP or DOWN buttons to make your desired adjustments in each submenu. Press the ENTER button to move to the next adjustment submenu.
4. Press the MODE button to exit and return to the main menu.

NOTE: This fixture features two variations of the control panel lockout, as described below. These can be selected from the main system menu, by navigating to MENU Function > LCD Set > Key Lock.
- When Display sub menu is set to ON, the LCD display backlight will turn OFF after 30 seconds. At this point, the Control Panel buttons will lock, and the display will show Locked. To unlock, press and hold the MODE button for 5 seconds.
- When Display sub menu is set to ON1, the LCD display backlight will turn OFF after 30 seconds. At this point, the Control Panel will lock, and the display will show LOCKED*****. To unlock, press UP, DOWN, UP, DOWN, ENTER, in that order. With each button press, one * will disappear from the display until the display unlocks.

Unit Temperature: With this function, you can switch the temperature display between Celsius or Fahrenheit.
1. Plug the fixture in and press the UP or DOWN buttons until "Menu Function" is displayed. Press the ENTER button.
2. Press the UP or DOWN buttons to scroll to "TEMP" and press ENTER.
3. Use the UP or DOWN buttons to switch between "Celsius" or "Fahren".
4. Press ENTER to confirm your selection or press the MODE button to exit and return to the main menu.

Dimmer Curve Setting:
1. Plug the fixture in and press the UP or DOWN buttons until "Menu Function" is displayed. Press the ENTER button.
2. Use the UP or DOWN buttons to scroll to "DimCurve" and press ENTER.
3. There are 6 dimmer curve settings to choose from. Use the UP and DOWN buttons to scroll through the different dimmer curve setting. Please refer to the ***Dimmer Curve Chart*** section of this manual for detailed information on dimmer curves.
4. Press the MODE button to exit and return to the main menu.

Display Set Up: In this submenu, you are able to select what main display will show. In this submenu you are able to designate the unit as the "Secondary" in Primary-Secondary mode.
1. Plug the fixture in and press the UP or DOWN buttons until "Menu Function" is displayed. Press the ENTER button.
2. Press the UP or DOWN buttons to scroll to "Disp.Set" and press ENTER.
3. Use the UP or DOWN buttons to find you desired setting and press ENTER.
4. Press the MODE button to exit and return to the main menu.

OPERATING INSTRUCTIONS

Gamma Correction: With this function, you can optimize the brightness of the fixture. This is used mainly when recording with an HD video camera. The brightness will be slight to the naked eye, but looking through the lens of a camera it will be noticable.

1. Plug the fixture in and press the UP or DOWN buttons until "Menu Function" is displayed. Press the ENTER button.
2. Press the UP or DOWN buttons to scroll to "Gamma" and press ENTER.
3. Use the UP or DOWN buttons to switch between the different gamma settings.
4. Press ENTER to confirm your selection or press the MODE button to exit and return to the main menu.

Software Update (USB Data): This submenu is used for any future software updates. Check online at www.adj.com for any software updates. Download the software update to a flash stick and plug the flash stick into the Flash Drive slot located on the side of the unit.
NOTE: Contact ADJ customer service for help and guidance when updating software.

Default Running Mode: This is a default running mode. When this mode is activated all modes will return to their default settings.

1. Plug the fixture in and press the UP or DOWN buttons until "Menu Function" is displayed. Press ENTER.
2. Press the UP or DOWN buttons to scroll to "DFSE" and press ENTER.
3. Press the UP and DOWN buttons to switch between "ON" or "OFF". To reset the unit to factory settings select "ON" and press ENTER. Press the MODE button to exit the submenu with no changes.

Time Infomation: In this submenu you are able to check the current running time, total running time, last time the running time was cleared, and clear the running time.

1. Plug the fixture in and press the UP or DOWN buttons until "Info" is displayed.
2. Press the ENTER button and press the UP or DOWN buttons until "TimeInfo" is displayed, and press ENTER.
3. Use the UP or DOWN buttons to find the time information you would like to check. Press the ENTER button to access your desired time information.
4. To clear the current running time, press UP or DOWN buttons until "TimerPin" is displayed, and press ENTER. Use the UP or DOWN buttons to enter in the password "050", a press ENTER.
5. Use the UP or DOWN buttons to select "ON", and press ENTER.
6. Unplug the fixture, then plug it back in. The current running time should now be cleared.
7. Press the MODE button to exit and return to the "Infor" menu. Press MODE again to exit and return to the main menu.

Temperature Infomation: In this submenu you are able to check the fixture's current running temperature.

1. Plug the fixture in and press the UP or DOWN buttons until "Info" is displayed.
2. Press the ENTER button and press the UP or DOWN buttons until "TempInfo" is displayed. Press ENTER.
3. Use the UP or DOWN buttons to find the time information you would like to check. Press the ENTER button to access your desired time information.

OPERATING INSTRUCTIONS

Software Infomation: In this submenu you are able to check the fixture's current software.
1. Plug the fixture in and press the UP or DOWN buttons until "Info" is displayed.
2. Press the ENTER button and press the UP or DOWN buttons until "Software" is displayed, then press ENTER.
3. The current software version will now be displayed. Press the MODE button to exit.

Manual Dimmer Mode:
1. Plug the fixture in and press the UP or DOWN buttons until "Menu Manual" is displayed, then press ENTER.
2. "ManCtrl Dimmer" will be displayed. Press the ENTER button to access the dimmer adjustment submenu.
3. Use the UP and DOWN buttons to adjust the dimmer intensity. When you are finished adjusting the intensity, press ENTER.
4. Press the UP or DOWN buttons to switch to "ManCtrl Strobe" and press ENTER. Follow the values listed under the "DMX Strobe" channel in the ***DMX Traits*** section of this manual.

PRIMARY-SECONDARY CONFIGURATION

This function allows the units to be linked together to run in a Primary-Secondary set-up. In this type of set up, one unit will act as the controlling unit, and the others will react to the controlling units built-in programs. Any unit can act as a Primary or as a Secondary, but only one unit can be programmed to act as the "Primary."

***Primary-Secondary Connections and Settings:***
1. Daisy chain your units via the XLR connectors on the rear panel of each unit. Use standard XLR data cables to link your units together. Remember that the male XLR connector is the input and the female XLR connector is the ouput. The first unit in the chain (primary) will use the female XLR connector only, and the last unit in the chain will use the male XLR connector only.
2. Connect the first "Secondary" unit to the "Primary."
3. Set the "Primary" unit to your desired mode of operation.
4. On the "Secondary" units, press the UP or DOWN buttons until "Function" is displayed, and press ENTER. Press the UP or DOWN buttons until "Disp.Set" is displayed and press ENTER. Press the UP or DOWN buttons until "Secondry" is displayed and press ENTER.
5. The "Secondary" unit(s) will now follow the "Primary".
6. To exit "Secondary" mode, press the MODE button.
7. To fully exit "Secondary" mode, you will need to follow steps 3 and 4 and set the display to "ADDR" and press ENTER.

ZOOM ADJUSTMENT KNOB

Zoom Adjustment Knob:

Rotate this know counter-clockwise for a wider beam.

Rotate this knob clockwise for narrower beam.
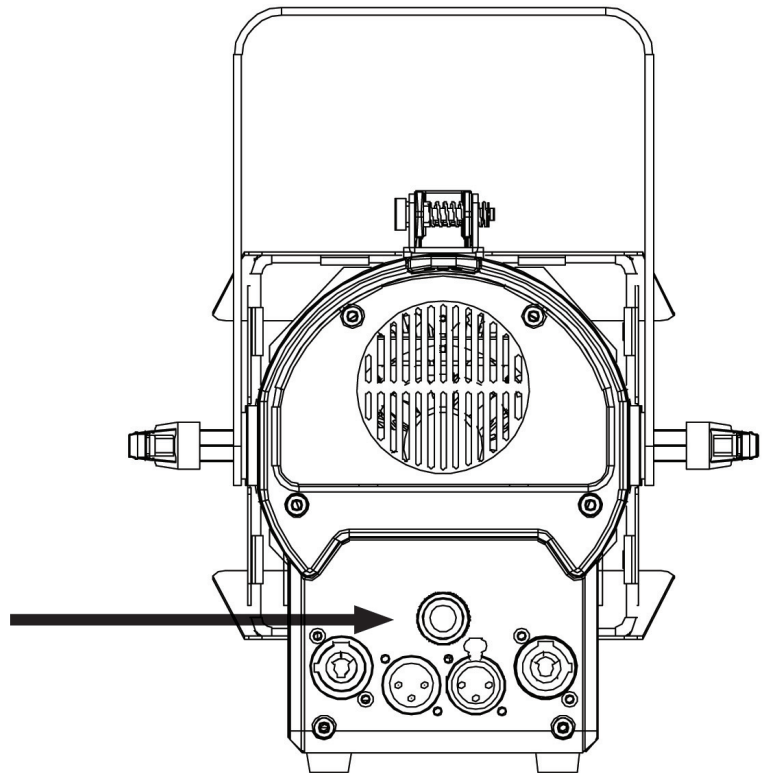
DMX TRAITS

CHANNEL						DMX VALUES	FUNCTION
1CH	2CH	2-2CH	3CH	2-3CH	4CH		
1	1	1	1	1	1	000 - 255	*Master Dimmer*
		2		2	2	000 - 255	*Dimmer Fine*
							Strobe
						000 - 031	Off
						032 - 063	On
						064 - 095	Variable Strobe, slow to fast
	2		2		3	096 - 127	On
						128 - 159	Pulse Effect, slow to fast
						160 - 191	On
						192 - 223	Random Strobe, slow to fast
						224 - 255	On
							Dim Mode
						000 - 020	Standard
						021 - 040	Stage
						041 - 060	TV
			3	3	4	061 - 080	Architectural
						081 - 100	Theatre
						101 - 120	Stage 2
						121 - 255	Default to unit setting

MULTIPLE UNIT POWER LINKING

With this feature you can link the fixtures to one another using the power input and output sockets.

The maximum that can be connected is as follows:
- **20 fixtures @ 120V**
- **40 fixtures @ 240V**

After the maximum connected fixtures you will need to use a new power outlet.

NOTE: USE CAUTION WHEN POWER LINKING OTHER FIXTURES TO THE ENCORE FR50Z AS THE POWER CONSUMPTION OF OTHER LIGHTING FIXTURES WILL VARY!

DIMMER CURVE CHART
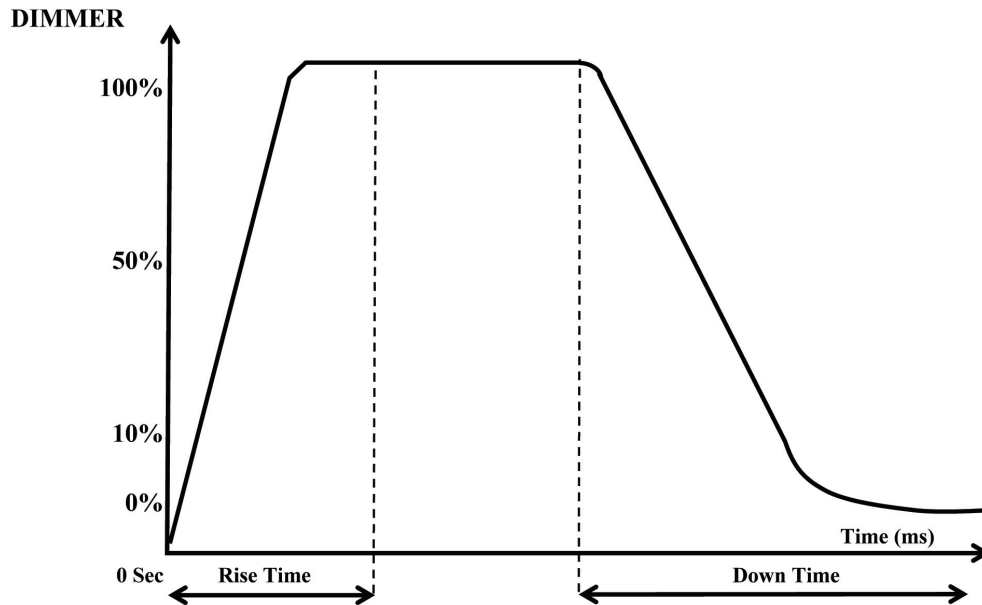
| Dimming Curve Ramp Effect	0 sec Fade Time		1 sec Fade Time	
	Rise Time (ms)	Down Time (ms)	Rise Time (ms)	Down Time (ms)
Standard (default)	0	0	0	0
Stage	780	1100	1540	1660
TV	1180	1520	1860	1940
Architectural	1380	1730	2040	2120
Theatre	1580	1940	2230	2280
Stage 2	0	1100	0	1660

BARN DOOR ATTACHMENT

1. Open the lens lock and slide the Gel Frame in from the top and into the 3 Grooves located closest to the unit.
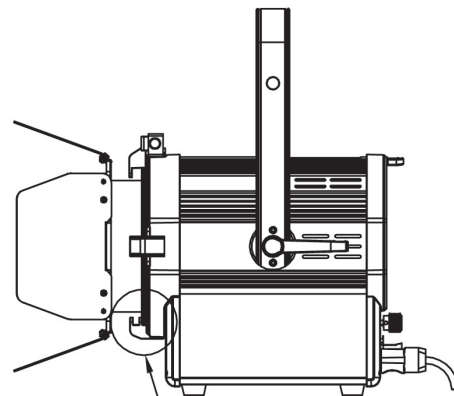
Lock Open
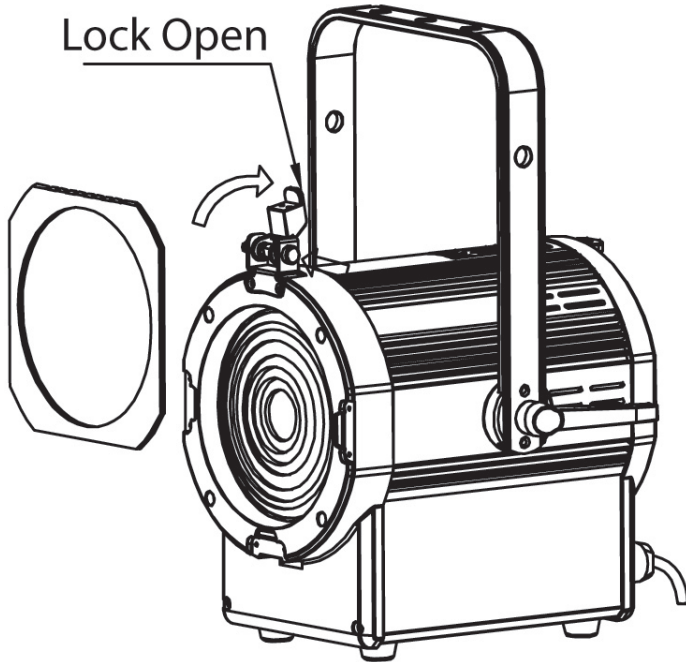
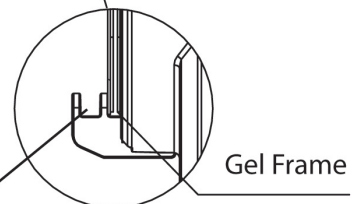2. Slide the Barn Door in from the top and into the 3 Barn Door Grooves.
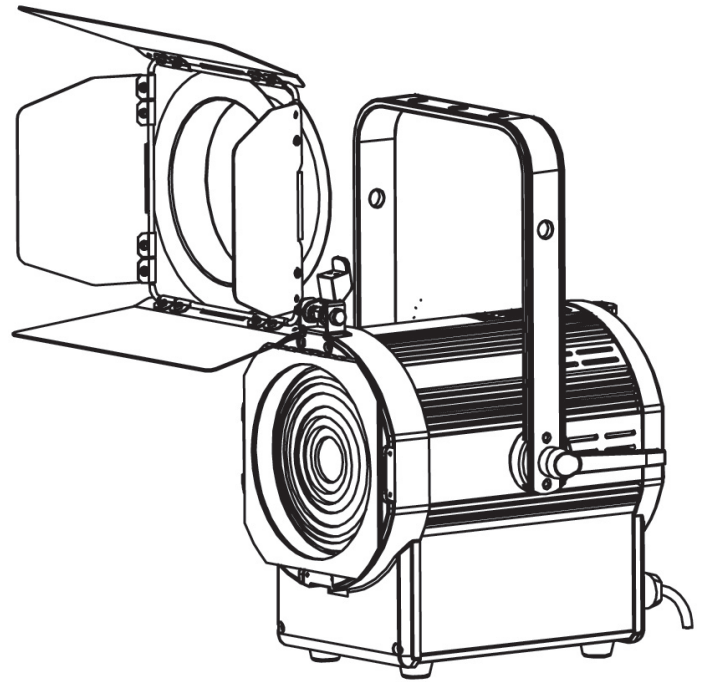
3. Flip the lens lock back down into place to secure the Barn Door in place.
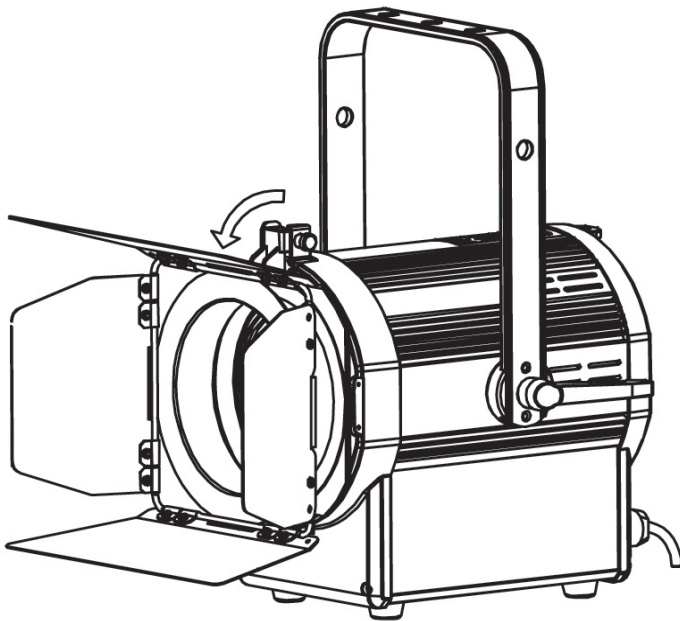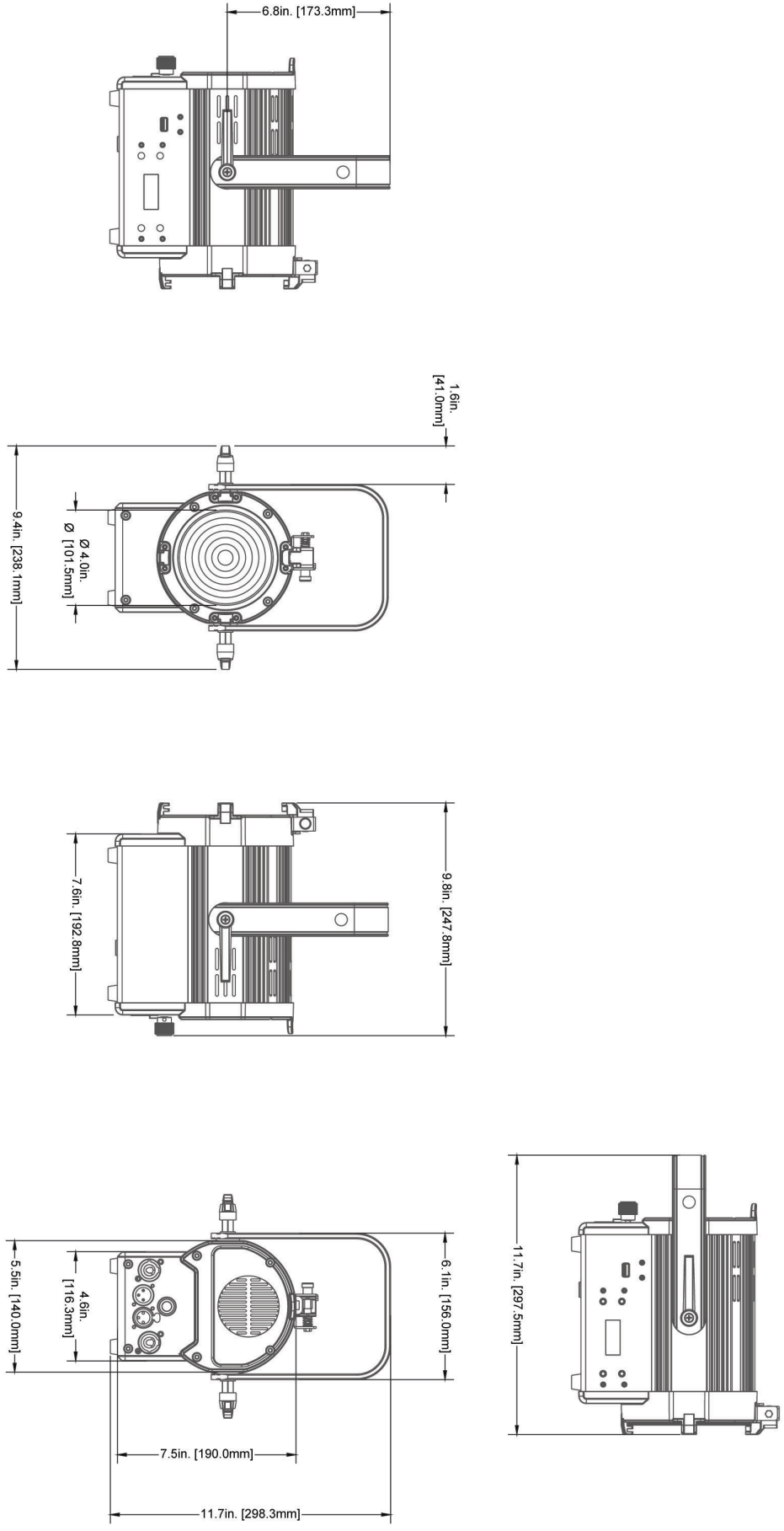
4. Installation complete.

NOTE: Barn Door slides into the 3 grooves:
Two on the side, one on the bottom

Gel Frame

DIMENSIONAL DRAWINGS

6.8in. [173.3mm]

1.6in. [41.0mm]

9.4in. [238.1mm]

Ø 4.0in. Ø [101.5mm]

7.6in. [192.8mm]

9.8in. [247.8mm]

5.5in. [140.0mm]

4.6in. [116.3mm]

6.1in. [156.0mm]

11.7in. [297.5mm]

7.5in. [190.0mm]

11.7in. [298.3mm]

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TROUBLE SHOOTING

Listed below is a common problem the user may encounter, with a suggested solution.

Unit not responding to DMX:
Check that the DMX cables are connected and wired correctly (pin 3 is "hot"; on some other DMX devices pin 2 may be "hot"). Also, check that all cables are connected to the correct connectors, as the order in which the inputs and outputs are connected does affect the operation of the unit.

CLEANING

Due to fog residue, smoke, and dust, cleaning of the internal and external optical lenses must be carried out periodically to optimize light output.
- Use normal glass cleaner and a soft cloth to wipe down the outside casing.
- Clean the external optics with glass cleaner and a soft cloth.
- Always be sure to dry all parts completely before plugging the unit back in.

Cleaning frequency depends on the environment in which the fixture operates (i.e. smoke, fog residue, dust, dew).

WARRANTY

A. ADJ Products, LLC hereby warrants, to the original purchaser, ADJ Products, LLC products to be free of manufacturing defects in material and workmanship for a prescribed period from the date of purchase (see specific warranty period on reverse). This warranty shall be valid only if the product is purchased within the United States of America, including possessions and territories. It is the owner's responsibility to establish the date and place of purchase by acceptable evidence, at the time service is sought.

B. For warranty service, you must obtain a Return Authorization number (RA#) before sending the product back—please contact ADJ Products, LLC Service Department at 800-322-6337. Send the product only to the ADJ Products, LLC factory. All shipping charges must be prepaid. If the requested repairs or service (including parts replacement) are within the terms of this warranty, ADJ Products, LLC will pay return shipping charges only to a designated point within the United States. If the entire instrument is sent, it must be shipped in its original package and packaging material. No accessories should be shipped with the product. If any accessories are shipped with the product, ADJ Products, LLC shall incur no liability whatsoever for loss of or damage to any such accessories, nor for the safe return thereof.

C. This warranty is void if the product serial number and/or labels are altered or removed; if the product is modified in any manner which ADJ Products, LLC concludes, after inspection, affects the reliability of the product; if the product has been repaired or serviced by anyone other than the ADJ Products, LLC factory unless prior written authorization was issued to purchaser by ADJ Products, LLC; if the product is damaged because it was not properly maintained as set forth in the product instructions, guidelines and/or user manual.

D. This is not a service contract, and this warranty does not include maintenance, cleaning, or periodic checkup. During the period specified above, ADJ Products, LLC will replace defective parts at its expense with new or refurbished parts, and will absorb all expenses for warranty service and repair labor by reason of defects in material or workmanship. The sole responsibility of ADJ Products, LLC under this warranty shall be limited to the repair of the product, or replacement thereof, including parts, at the sole discretion of ADJ Products, LLC. All products covered by this warranty were manufactured after August 15, 2012, and bear identifying marks to that effect.

E. ADJ Products, LLC reserves the right to make changes in design and/or improvements upon its products without any obligation to include these changes in any products theretofore manufactured.

F. No warranty, whether expressed or implied, is given or made with respect to any accessory supplied with products described above. Except to the extent prohibited by applicable law, all implied warranties made by ADJ Products, LLC in connection with this product, including warranties of merchantability or fitness, are limited in duration to the warranty period set forth above. And all warranties, whether expressed or implied, including warranties of merchantability or fitness, are limited in duration to the warranty period set forth above. The consumer's and/or dealer's sole remedy shall be such repair or replacement as is expressly provided above; and under no circumstances shall ADJ Product, LLC be liable for any loss and/or damage, direct and/or consequential arising out of the use of, and/or inability to use this product.

G. This warranty is the only written warranty applicable to ADJ Products, LLC products, and supersedes all prior warranties and written descriptions of warranty terms and conditions heretofore published.

MANUFACTURER'S LIMITED WARRANTY PERIODS:

• Non-LED Lighting Products = 1-Year (365 Days) (Including Special Effect Lighting, Intelligent Lighting, UV lighting, Strobes, Fog Machines, Bubble Machines, Mirror Balls, Par Cans, Trussing, Lighting Stands, Power/Data Distribution, etc. excluding LED and lamps)
• Laser Products = 1-Year (365 Days) (excluding laser diodes which have a 6-Month Limited Warranty)
• LED Products = 2-Year (730 Days) (excluding batteries which have a 180 Day Limited Warranty)
• NOTE: 2-Year (730 Days) Limited Warranty ONLY applies to product purchased within the United States. StarTec Series = 1-Year (365 Days) (excluding batteries which have a 180 Day Limited Warranty)
• ADJ DMX Controllers = 2 Year (730 Days)
• American Audio Products = 1 Year (365 Days)

SPECIFICATIONS

Model	Encore FR50z
Voltage	100V ~ 240V/50 ~ 60 Hz
LEDs	1 x 50W LED
Color Temperature	3000k
Beam Angle	14~30 Degrees
Working Position	Any safe working position
Power Draw	50W
Power Linking	20 fixtures max. @ 120V 40 fixtures max. @ 230V
Fuse	1A
Weight	9.5 lbs / 4.3 kgs (with barn door) 8.5 lbs / 3.8 kgs (without barn door)

Dimensions	*With Barn Door:*
	  13.38" (L) x 9.4" (W) x 11.7" (H)
	  339.8mm (L) x 238.1mm (W) x 298.3mm (H)
	Without Barn Door:
	  9.8" (L) x 9.4" (W) x 11.7" (H)
	  247.8mm (L) x 238.1mm (W) x 298.3mm (H)

Colors	Warm White
DMX Channels	6 DMX Modes: 1 / 2 / 2-2 / 3 / 2-3 / 4 channels
Control	RDM (Remote Device Management)
Warranty	2 Year (730 Days)

Please Note: Specifications and improvements in the design of this unit and this manual are subject to change without any prior written notice.

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