WOLF

CINEMA

Quick Setup Guide

DCX-500i / DCX-1000i / DCX-1500i Projectors with WC-Pro Scaler

PRELIMINARY

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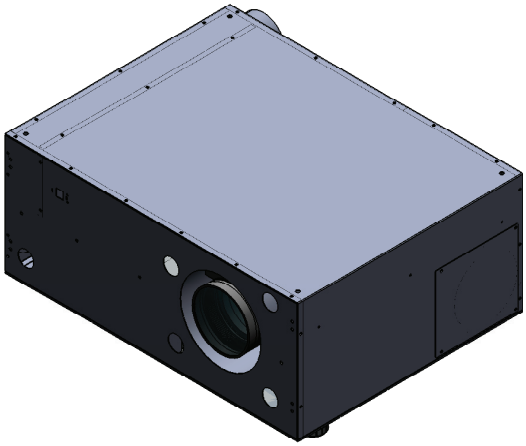
Introduction

Wolf Cinema's DCX line of projectors are designed to work in conjunction with the WC-Pro Scaler. The Scaler is calibrated at the factory and is to be used to route the variety of inputs it supports; 6 HDMI, 1 Component, 1 Component/RGB, 1 S-Video and 1 Composite Video.

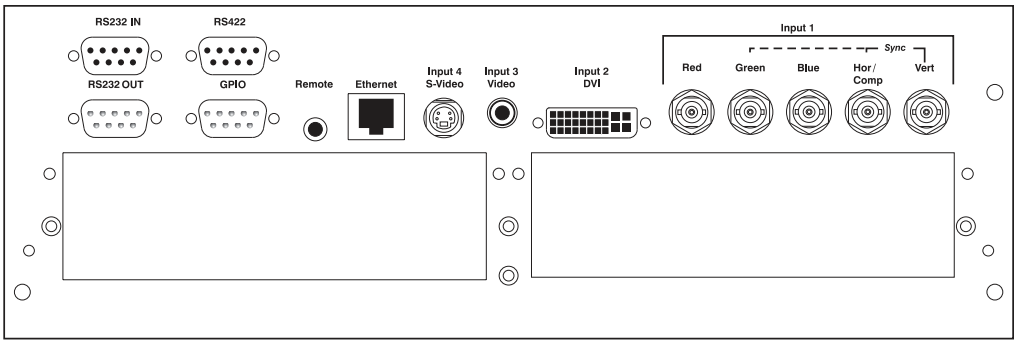
Each projector is ships with 10 preset Channel Memories, which are programmed at the factory. These Channel Memories represent 10 aspect ratios per each Scaler input, 5 of which can be assigned to control the optional VariScope 2.35 Lens system.

The Projector and Scaler can be remotely controlled separately by RS-232 or the scaler can be controlled by the GPIO (General Purpose Input/Output) connection of the projector, which has the scalers 10 inputs programmed into every 10 of the projectors 99 channel memories.



Connecting the Projector

The following steps are to be done once the projector is installed, per the specifications of the sales order.



1. **DVI to HDMI adapter:** Connect the DVI to HDMI adapter to INPUT 2 on the projector. (DVI input). This adapter will allow connection to the scaler via HDMI cable.
2. **GPIO Output:** This allows connection to the Scaler's GPIO input via serial cable. In addition, the GPIO connection allows the projector to switch the Scaler's inputs when the projectors corresponding Channel Memories are changed. When a VariScope 2.35 is being used you will need the provided GPIO adapter. Connect the GPIO Adapter to the GPIO output located on the projectors input panel via serial cable.

3. **Connect Power:** Use the approved North American-rated power cord supplied with the projector. Plug the power cord to the AC receptacle located on the right hand side of the projector and the 3-pronged end into a grounded AC outlet. The input voltage must be capable of 100-240 VAC for the DCX-500/DCX-1000 models and 200-240 VAC for the DCX-1500 models.

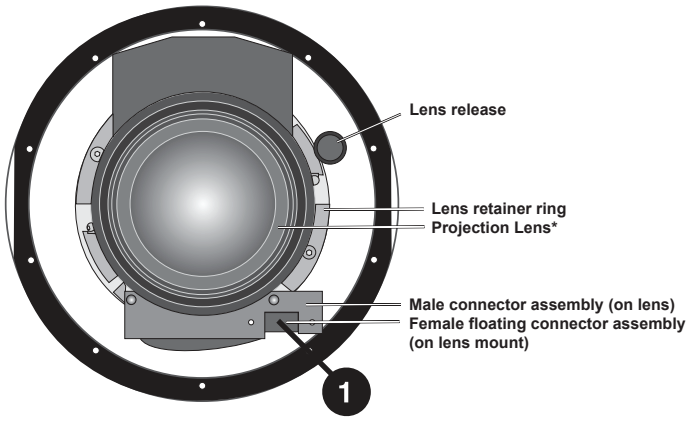
***** DO NOT POWER THE PROJECTOR ON UNTIL THE LENS IS INSTALLED *****

Installing the Primary Lens

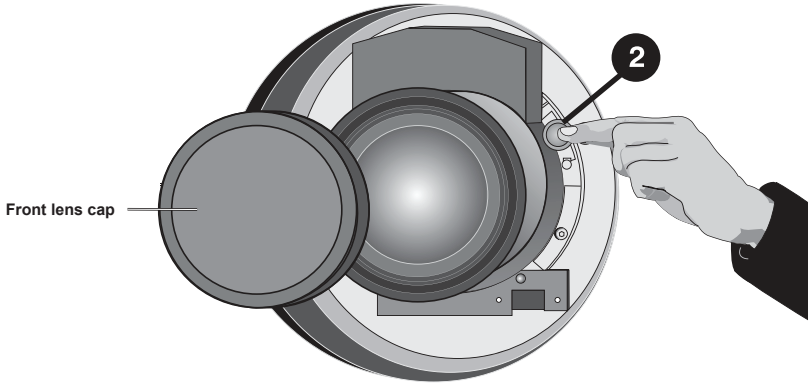
Before installing any lens, be sure the projector is off. If the projector has been running, be sure to let it cool down completely. Ensure the front lens cap is on during installation.

NOTE: *Remove the small rear lens cap before installing!! Keep the large front cap on.*

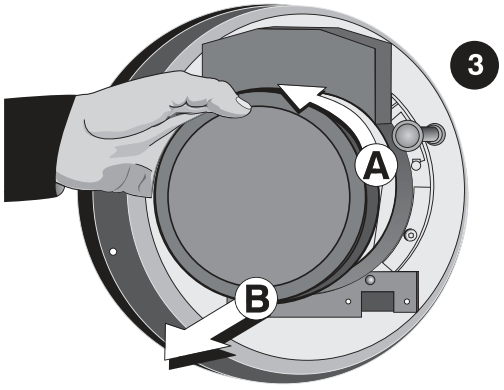
1. **Electrical Connector:** Line up the male connector on the lens with the female connector on the slide assembly.



2. **Insert Lens:** Align the Tabs on the lens plate lock with the slots on the lens retainer ring. The lens should slide in about ½".

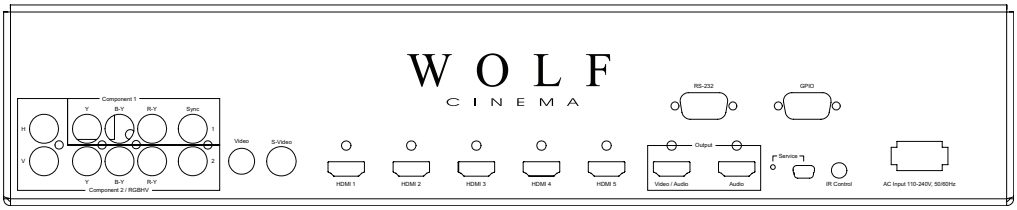


3. **Rotate Lens:** Rotate the lens clockwise until the tabs are tightly secured and the lens release button locks the lens in place.



Connecting the Scaler

1. Connect all sources to the inputs of the scaler.
2. Connect a HDMI cable from the video output on the scaler to input 2(DVI) in the projector.
3. Connect power to the AC input using the provided power cable. The scaler will automatically turn on. If a Red LED is shown on the right side of the front panel, the Scaler is receiving AC power but no signal is detected. If a Blue LED is shown, the Scaler is receiving AC power and a good video signal is being detected. No LED indicates there is no AC power within the scaler.



The Projector Channel Memories

All projectors come with 10 Channel Memories that are pre-set for the scalers inputs, the VariScope lens feature and VariScope 2.35 Anamorphic lens configurations; all based on the installation specifications supplied by the dealer. Once the 10 Channel Memories are calibrated at the installation, those channel memories can be copied to the remaining empty Channel Memory slots (11-99).

See the entire Channel Memory chart at end of this Quick Setup Guide.

Channel Memory Setup	
Channel 01	HDMI 1 1.78
Channel 02	HDMI 1 1.85
Channel 03	HDMI 1 2.20
Channel 04	HDMI 1 2.35
Channel 05	HDMI 1 2.40
Channel 06	HDMI 1 2.35a
Channel 07	HDMI 1 2.40a
Channel 08	HDMI 1 2.60a
Channel 09	HDMI 1 2.67a
Channel 10	HDMI 1 2.70a

The GPIO and VariScope 2.35 Memory Structure

The Projector has 99 channel memory locations. Channel Memory 1-5 are to be used without the Anamorphic VariScope 2.35. Channels Memory 6-10 are to be used with the Anamorphic VariScope 2.35. Every block of 10 Channel Memory inputs will be structured in the same manor. (1-5 no anamorphic lens, 6-10 anamorphic lens.)

Adjusting the VariScope Lens System

The VariScope lens system is enabled at the factory with in the projectors menu . This feature memorizes the Zoom and Focus settings for each of the projectors Channel Memories. This allows the calibrator to set each Channel Memory for a specific aspect ratio when using constant height with their screen system. Once the projector is installed, this feature will require some touch up for Channel Memories 1-10. Those Channel Memories can then be copied to the remaining Channel Memory slots as discussed in the Projector Channel Memory section.

To adjust the VariScope lens setting for a particular Channel Memory:

1. To select a Channel Memory, press the “Channel” button on the remote. The projectors On Screen Display (OSD) will appear with the Channel Memory list.
2. Scroll with the Up ▲ or ▼ Down buttons; highlight and select the channel pressing the Enter ↵ button.
3. Use the Zoom and Focus adjustments on the remote to achieve the desired aspect ratio. The settings will automatically be stored in memory.

(**Note:** *The VariScope Lens System must be selected for this feature to operate and is enabled at the factory. If the feature is disabled, it can be re-enabled in the Geometry and Color sub-menu located within the Display Setup menu.*)

Copying Channel Memories

1. To select a Channel Memory to be copied, press the Menu button on the remote. The projectors On Screen Display (OSD) will appear.
2. Scroll with the Up ▲ or ▼ Down buttons; highlight and select “Channel Setup” by pressing the Enter ↵ button.
3. The Channel Memory list from the OSD will appear.
4. Highlight the channel to be copied by scrolling with the Up ▲ or ▼ Down buttons.
5. Once the channel memory to be copied is highlighted, select the Function button at the bottom of the remote control.
6. The OSD for copying the memory will appear. Please use care not to select any of the delete functions associated with this operation.
7. Highlight “Copy” and select the Enter ↵ button: The channel memory will copy to the next available channel memory slot plus one. For example, if the next available Channel Memory is channel 11, the copied channel will appear at channel 12.

Changing the Numerical Location of Channel Memories

As a channel is being copied, the channel memory should be assigned to its proper location.

1. Select the channel memory by pressing the Menu (Menu) button on the remote. The projectors OSD will appear.
2. Scroll with the Up (▲) or (▼) Down buttons; highlight and select “Channel Setup” by pressing the Enter (↵) button.
3. The channel list from the OSD will appear.
4. Highlight the desired channel and select the Enter (↵) button. The “Channel Edit” OSD will appear.
5. Scroll to the 2nd slot that shows “Number” and select the Enter (↵) button.
6. Select the desired number location by entering it onto the remote control keypad.

GPIO Channel Memory Structure

Channel	GPIO Control to VariScope 2.35	Input/GPIO Selection at Scaler
Channel 01	No	HDMI 1
Channel 02	No	HDMI 1
Channel 03	No	HDMI 1
Channel 04	No	HDMI 1
Channel 05	No	HDMI 1
Channel 06	Yes	HDMI 1
Channel 07	Yes	HDMI 1
Channel 08	Yes	HDMI 1
Channel 09	Yes	HDMI 1
Channel 10	Yes	HDMI 1
Channel 11	No	HDMI 2
Channel 12	No	HDMI 2
Channel 13	No	HDMI 2
Channel 14	No	HDMI 2
Channel 15	No	HDMI 2
Channel 16	Yes	HDMI 2
Channel 17	Yes	HDMI 2
Channel 18	Yes	HDMI 2
Channel 19	Yes	HDMI 2
Channel 20	Yes	HDMI 2
Channel 21	No	HDMI 3
Channel 22	No	HDMI 3
Channel 23	No	HDMI 3

Channel	GPIO Control to VariScope 2.35	Input/GPIO Selection at Scaler
Channel 24	No	HDMI 3
Channel 25	No	HDMI 3
Channel 26	Yes	HDMI 3
Channel 27	Yes	HDMI 3
Channel 28	Yes	HDMI 3
Channel 29	Yes	HDMI 3
Channel 30	Yes	HDMI 3
Channel 31	No	HDMI 4
Channel 32	No	HDMI 4
Channel 33	No	HDMI 4
Channel 34	No	HDMI 4
Channel 35	No	HDMI 4
Channel 36	Yes	HDMI 4
Channel 37	Yes	HDMI 4
Channel 38	Yes	HDMI 4
Channel 39	Yes	HDMI 4
Channel 40	Yes	HDMI 4
Channel 41	No	HDMI 5
Channel 42	No	HDMI 5
Channel 43	No	HDMI 5
Channel 44	No	HDMI 5
Channel 45	No	HDMI 5
Channel 46	Yes	HDMI 5

Channel	GPIO Control to VariScope 2.35	Input/GPIO Selection at Scaler
Channel 47	Yes	HDMI 5
Channel 48	Yes	HDMI 5
Channel 49	Yes	HDMI 5
Channel 50	Yes	HDMI 5
Channel 51	No	HDMI 6
Channel 52	No	HDMI 6
Channel 53	No	HDMI 6
Channel 54	No	HDMI 6
Channel 55	No	HDMI 6
Channel 56	Yes	HDMI 6
Channel 57	Yes	HDMI 6
Channel 58	Yes	HDMI 6
Channel 59	Yes	HDMI 6
Channel 60	Yes	HDMI 6
Channel 61	No	COMP 1
Channel 62	No	COMP 1
Channel 63	No	COMP 1
Channel 64	No	COMP 1
Channel 65	No	COMP 1
Channel 66	Yes	COMP 1
Channel 67	Yes	COMP 1
Channel 68	Yes	COMP 1
Channel 69	Yes	COMP 1
Channel 70	Yes	COMP 1
Channel 71	No	COMP 2
Channel 72	No	COMP 2

Channel	GPIO Control to VariScope 2.35	Input/GPIO Selection at Scaler
Channel 73	No	COMP 2
Channel 74	No	COMP 2
Channel 75	No	COMP 2
Channel 76	Yes	COMP 2
Channel 77	Yes	COMP 2
Channel 78	Yes	COMP 2
Channel 79	Yes	COMP 2
Channel 80	Yes	COMP 2
Channel 81	No	SVIDEO
Channel 82	No	SVIDEO
Channel 83	No	SVIDEO
Channel 84	No	SVIDEO
Channel 85	No	SVIDEO
Channel 86	Yes	SVIDEO
Channel 87	Yes	SVIDEO
Channel 88	Yes	SVIDEO
Channel 89	Yes	SVIDEO
Channel 90	Yes	SVIDEO
Channel 91	No	VIDEO
Channel 92	No	VIDEO
Channel 93	No	VIDEO
Channel 94	No	VIDEO
Channel 95	No	VIDEO
Channel 96	Yes	VIDEO
Channel 97	Yes	VIDEO
Channel 98	Yes	VIDEO
Channel 99	Yes	VIDEO

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