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Section 4: Option Installation

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Overview

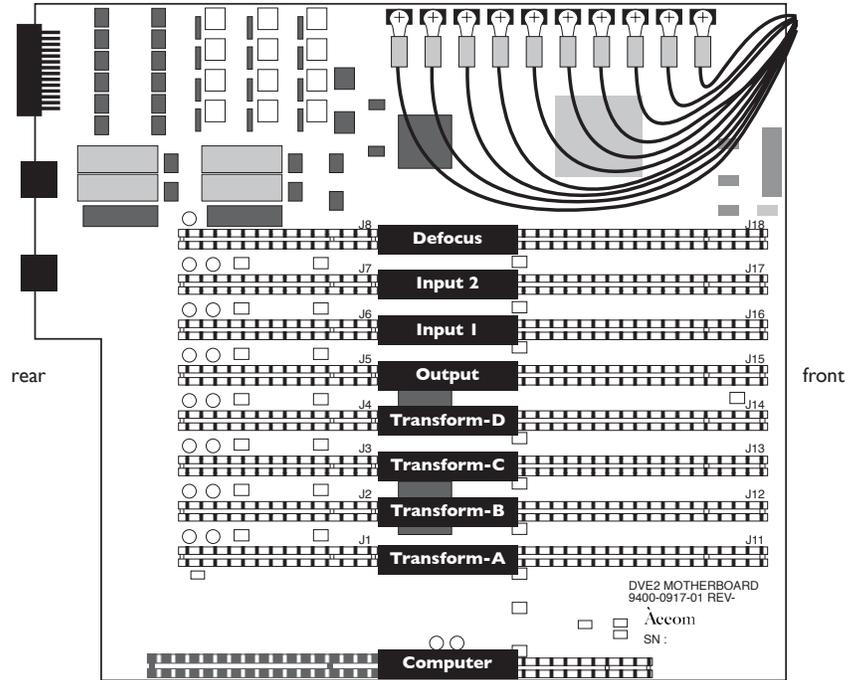
Dveous/MX's optional features include the following:

- Additional transform boards can be installed for extra HD channels.
- Additional input card can be added to increase the total inputs from 6 to 12.
- An external floppy drive can be connected to the Dveous/MX control panel when console mounting blocks access to the on-board drive.
- Additional control panels can be connected to the Dveous/MX chassis to allow control from other users. Only one panel can be active at one time.

Transform Boards

Overview

Additional transform boards can be installed to add more channels to the standard system. Dveous/MX is available in three configurations that can work in SD or HD and is software configured in the user interface.



The following is a table listing the Dveous/MX configurations and possible transform and channel combinations.

Table 4-1: Transform Boards

Configuration	Total # Boards	# Channels	
		SD	HD
Dual Twin SD	1	4 (1A/1B.2A/2B)	1 (1A)
Single Twin HD	2	4 (1A/1B.2A/2B)	2 (1A/1B)
Dual Twin HD	4	4 (1A/1B.2A/2B)	4 (1A/1B.2A/2B)

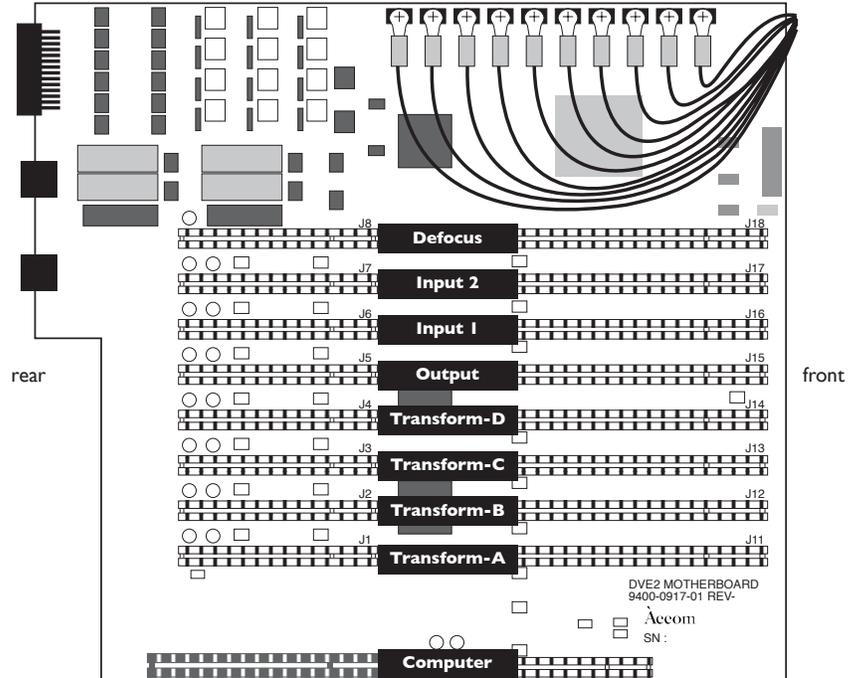
Installing Transform Boards

Each optional transform board is installed in the same manner. To install a transform board in the Dveous/MX chassis:

1. Power down and disconnect the power cable from the rear of the chassis.
2. Remove the chassis from the rack and place on static free workspace.
3. Remove 5 screws from the rear of the chassis that holds the top cover in place.
4. Slide top cover backwards and remove from chassis.
5. Remove retaining bar across middle of boards.
6. Remove retaining strip across front of boards.
7. Locate slot(s) where board(s) will be positioned and remove board retaining screw.
8. Insert board(s) in correct slots with the same positioning as existing transform board(s).
9. When board is fully seated, screw down at rear with screw removed in step 7.
10. Reattach the retaining strip and retaining bar that were removed in steps 5 and 6.
11. Put top cover back on and replace screws removed in step 3.
12. Power up Dveous/MX chassis.
13. Go to ENG MENU on the control panel and confirm that all boards are running.
14. The Dveous/MX is now ready for use.

Input Card

An additional input card can be installed to increase the number of digital video inputs from the standard 6 to a total of 12.



The option kit for the Dveous/MX Input 2 install includes the following. Please allow two hours for this install.

Table 4-2: Input Card Option Kit

Part Name	Part Number	Quantity	Description
Input 2 Board	9400-0915-02	1	
Cable Assy.	9000-0939-13	1	input7
Cable Assy.	9000-0939-14	1	input8
Cable Assy.	9000-0939-15	1	input9
Cable Assy.	9000-0939-16	1	input10
Cable Assy.	9000-0939-17	1	input11
Cable Assy.	9000-0939-18	1	input12
Small wire ties		6	

Installing an Input Card

Follow the steps below to install an additional input card.

1. Turn off power and disconnect all cables from rear of chassis.
2. Remove Dveous/MX from rack and place on static free work environment.
3. Remove 5 screws from top rear of top cover and remove the top cover by sliding the cover backwards slightly and then lifting off of the chassis.
4. Remove the 2 screws holding the retaining arm across the middle of the board set. Remove retaining arm.
5. Remove the 3 screws on the front edge board support and remove this support from chassis.
6. Remove the retaining screw at rear of defocus board (far right board) and carefully remove this board from system.
7. The next slot to the left will be empty (this is where the new Input 2 board will reside). There is a retaining screw in the rear that you will need to remove and use when putting board into chassis.
8. Disconnect the 6 coax cables from the top of Input 1 board and fold over the rear of chassis to give you clear access to the rear inputs.
9. Remove rear retaining screw from Input 1 board and remove input 1 from system.
10. On the right side of chassis there is a middle retaining bar support. This can be removed by taking out the 4 screws from the right side of chassis that hold this support in place. This will offer a clearer work access for installing the input cables.
11. Disconnect the 6 pin blue wire from the motherboard to the LED board at rear of chassis between inputs 1-6 and 7-12.
12. You should now have a very clear access to all inputs.
13. Using a pair of needle nose pliers, remove the 6 plugs that are in inputs 7-12. To do this, bend the tabs on the inside enough so you can pop out the plugs by pushing from the inside. The plugs will come out the rear of the chassis.
14. Starting with cable assembly 9000-0939-18 (this will be for input 12. It is easier to work from 12 then to 7 for access reasons), remove the end cap holding the cable to the BNC connector. This should be hand tight and requires no tools. Pull the cable apart from the BNC.
15. Remove the 1/2" nut and washer from the BNC connector.
16. From rear of chassis insert threaded end of BNC into input 12.

17. Secure this BNC to input 12 with the washer and nut removed in step 15. Use a 1/2" wrench to tighten securely. Be careful not to over tighten and strip the threads.
18. Insert pin end of cable back into rear of BNC and secure with end cap. A 3/8" wrench can be used to tighten snugly.
19. Repeat steps 14-18 for inputs 11-7. All cables are labeled as to which inputs they go to.
20. Once all the cables are installed, using the existing Input 1 cables as a guide, run the new cables in the same fashion and secure with wire ties as needed. There will be two runs of cables. Inputs 7-10 will be the longer run and inputs 11-12 will be shorter.
21. Reinstall Input 1 board into chassis and secure with rear retaining screw.
22. Install Input 2 board into the next slot and secure with rear retaining screw removed in step 7.
23. Reinstall Defocus board into last slot and secure with rear retaining screw.
24. Reattach all 6 coax cables to Input 1 that were removed in step 8.
25. Attach all newly installed cables to Input 2 in the same fashion as they are connected to Input 1. All cables are marked with J#'s to match the corresponding connector on the board.
26. Reattach 6 pin blue cable to LED board and Motherboard that was removed in step 6.
27. Reattach retaining bar support removed in step 10.
28. The longer cable runs should be run along right side of chassis and under the retaining bar support.
29. Visually inspect all cables to be assured that none are damaged or will be damaged once cover is replaced.
30. Reattach front board support removed in step 5.
31. Reattach middle retaining bar removed in step 4.
32. Put top cover back in place and secure with 5 screws.
33. Connect power to system and attach control panel.
34. Power up system and after bootup, go to ENG menu and confirm that all system boards are PRESENT.



Note: Depending on your system configuration up to 3 Transform boards may be shown as "NOT PRESENT" in ENG menu.

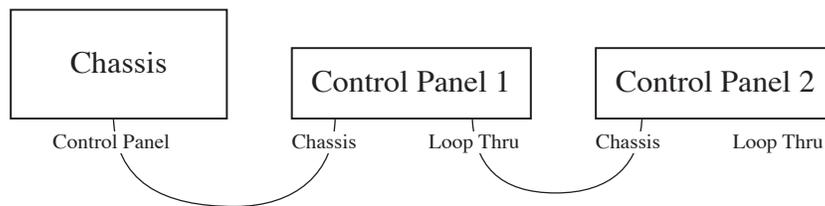
External Floppy Drive

An external floppy drive can be connected to the control panel for use when the control panel is counter sunk. In this case, the floppy drive located on the control panel is not accessible. Please refer to Section 2 - Installation for more information on connector pinout for an external floppy drive.

Additional Control Panel

Additional control panels can be connected to the Dveous/MX chassis to allow control from other users. Only one panel can be active at one time. Control panel cable and connector information can be found in Section 2 - Installation.

Use the loop-through connection from the first panel to the chassis connection of the additional panel. Loop through cable has no power (see pin outs in Section 2 of this manual) and there fore all additional panels will require an external power supply (Accom part #2800-0063).



Note: The termination switch should only be terminated at the last panel in the chain.

