

User's Guide Matrix 16 LED displays

Rev. 02/2021

Congratulations, you have acquired a new PinballSolutions.eu LED display!

Our 128*16 matrix display for Data East pinball machine is plug & play and do not need any external power supply.

LED modules are composed by 16*16 dot matrix displays which are socketed for easy replacement in case of defect.

The DMD 128*16 is compatible with all Data East pinball machines using a 16 rows DMD display:

- Batman
- Checkpoint
- Hook
- Teenage Mutant Ninja Turtles
- Start Trek 25h Anniversary

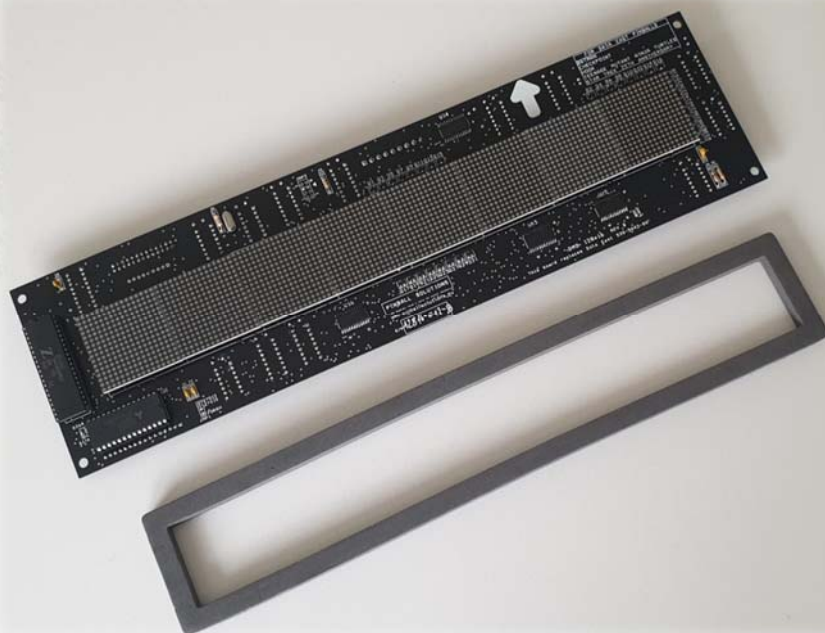
Important:

Always remove and install the DMD display while the main power source is switched off and unplugged.

The display needs an EPROM to function with the pinball machine, this is not provided with the display and you need to remove it from the old display in order to install it in the new LED DMD display.

HV power source is no longer needed since the new display doesn't need it but being still present on the original connectors we suggest to remove the HV fuse from the pinball machine power board in order to:

- avoid any possible shock when touching the connector with a powered ON pinball machine;
- preserve the HV circuit and remove it as a possible source of future problems.



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Installation

- Remove the old display;
- Remove the game eprom from the old display;
- Prepare the new LED display;
- Install the game eprom in the socket U2;
For Checkpoint and TMNT the eprom is smaller and needs to be placed like in the picture below;
- Place the new DMD LED display on the pinball machine panel;
- Fix it with the nuts;
- Connect the power cable and the 26 pins flat ribbon cable to the DMD LED display;
- Switch the game ON and enjoy

Game eprom installation

