



# **KAH-MEG-5**

GRAPHICAL USER INTERFACE CONTROLLER

## **Quick Setup Guide**

13-06530-010

2021-01-25

[www.grassvalley.com](http://www.grassvalley.com)

## FCC Compliance

In order to comply with FCC/CFR47: Part 15 regulations, it is necessary to use high-quality, triple-screened Media or Monitor cable assemblies with integrated ferrite suppression at both ends.

## Patent Information

This product may be protected by one or more patents.

For further information, please visit: [www.grassvalley.com/patents/](http://www.grassvalley.com/patents/)

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Title	KAH-MEG-5 Quick Setup Guide
Part Number	13-06530-010
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## Important Safety Information

This section provides important safety guidelines for operators and service personnel. Specific warnings and cautions appear throughout the manual where they apply. Please read and follow this important information, especially those instructions related to the risk of electric shock or injury to persons.

## Symbols and Their Meanings



Indicates that dangerous high voltage is present within the equipment enclosure that may be of sufficient magnitude to constitute a risk of electric shock.



Indicates that the user, operator or service technician should refer to the product manuals for important operating, maintenance, or service instructions.



This is a prompt to note the fuse rating when replacing fuses. The fuse referenced in the text must be replaced with one having the ratings indicated.



Identifies a protective grounding terminal which must be connected to earth ground prior to making any other equipment connections.



Identifies an external protective grounding terminal which may be connected to earth ground as a supplement to an internal grounding terminal.



Indicates that static sensitive components are present, which may be damaged by electrostatic discharge. Use anti-static procedures, equipment and surfaces during servicing.



Indicates that the equipment has more than one power supply cord, and that all power supply cords must be disconnected before servicing to avoid electric shock.



The presence of this symbol in or on Grass Valley equipment means that it has been tested and certified as complying with applicable Underwriters Laboratory (UL) regulations and recommendations for USA.



The presence of this symbol in or on Grass Valley equipment means that it has been tested and certified as complying with applicable Canadian Standard Association (CSA) regulations and recommendations for USA/Canada.



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The presence of this symbol in or on Grass Valley equipment means that it has been tested and certified as complying with applicable Intertek Testing Services regulations and recommendations for USA/Canada.



The presence of this symbol in or on Grass Valley product means that it complies with all applicable European Union (CE) directives.



The presence of this symbol in or on Grass Valley product means that it complies with safety of laser product applicable standards.

## Warnings



A warning indicates a possible hazard to personnel, which may cause injury or death. Observe the following general warnings when using or working on this equipment:

- Appropriately listed/certified mains supply power cords must be used for the connection of the equipment to the rated mains voltage.
- This product relies on the building's installation for short-circuit (over-current) protection. Ensure that a fuse or circuit breaker for the rated mains voltage is used on the phase conductors.
- Any instructions in this manual that require opening the equipment cover or enclosure are for use by qualified service personnel only.
- Do not operate the equipment in wet or damp conditions.
- This equipment is grounded through the grounding conductor of the power cords. To avoid electrical shock, plug the power cords into a properly wired receptacle before connecting the equipment inputs or outputs.
- Route power cords and other cables so they are not likely to be damaged. Properly support heavy cable bundles to avoid connector damage.
- Disconnect power before cleaning the equipment. Do not use liquid or aerosol cleaners; use only a damp cloth.
- Dangerous voltages may exist at several points in this equipment. To avoid injury, do not touch exposed connections and components while power is on.
- High leakage current may be present. Earth connection of product is essential before connecting power.
- Prior to servicing, remove jewelry such as rings, watches, and other metallic objects.
- To avoid fire hazard, use only the fuse type and rating specified in the service instructions for this product, or on the equipment.
- To avoid explosion, do not operate this equipment in an explosive atmosphere.
- Use proper lift points. Do not use door latches to lift or move equipment.
- Avoid mechanical hazards. Allow all rotating devices to come to a stop before servicing.
- Have qualified service personnel perform safety checks after any service.

## Cautions



A caution indicates a possible hazard to equipment that could result in equipment damage. Observe the following cautions when operating or working on this equipment:

- This equipment is meant to be installed in a restricted access location.
- When installing this equipment, do not attach the power cord to building surfaces.
- Products that have no on/off switch, and use an external power supply must be installed in proximity to a main power outlet that is easily accessible.
- Use the correct voltage setting. If this product lacks auto-ranging power supplies, before applying power ensure that each power supply is set to match the power source.
- Provide proper ventilation. To prevent product overheating, provide equipment ventilation in accordance with the installation instructions.
- Do not operate with suspected equipment failure. If you suspect product damage or equipment failure, have the equipment inspected by qualified service personnel.
- To reduce the risk of electric shock, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so. Refer all servicing to qualified service personnel.
- This unit may have more than one power supply cord. Disconnect all power supply cords before servicing to avoid electric shock.
- Follow static precautions at all times when handling this equipment. Servicing should be done in a static-free environment.
- To reduce the risk of electric shock, plug each power supply cord into separate branch circuits employing separate service grounds.

## Electrostatic Discharge (ESD) Protection



Electrostatic discharge occurs when electronic components are improperly handled and can result in intermittent failure or complete damage adversely affecting an electrical circuit. When you remove and replace any card from a frame always follow ESD-prevention procedures:

- Ensure that the frame is electrically connected to earth ground through the power cord or any other means if available.
- Wear an ESD wrist strap ensuring that it makes good skin contact. Connect the grounding clip to an *unpainted surface* of the chassis frame to safely ground unwanted ESD voltages. If no wrist strap is available, ground yourself by touching the *unpainted* metal part of the chassis.
- For safety, periodically check the resistance value of the antistatic strap, which should be between 1 and 10 megohms.
- When temporarily storing a card make sure it is placed in an ESD bag.
- Cards in an earth grounded metal frame or casing do not require any special ESD protection.

## Battery Handling



This product may include a backup battery. There is a danger of explosion if the battery is replaced incorrectly. Replace the battery only with the same or equivalent type recommended by the manufacturer. Dispose of used batteries according to the manufacturer's instructions. Before disposing of your Grass Valley equipment, please review the *Disposal and Recycling Information* at:

[http://www.grassvalley.com/assets/media/5692/Take-Back\\_Instructions.pdf](http://www.grassvalley.com/assets/media/5692/Take-Back_Instructions.pdf)

## Cautions for LCD and TFT Displays



Excessive usage may harm your vision. Rest for 10 minutes for every 30 minutes of usage.

If the LCD or TFT glass is broken, handle glass fragments with care when disposing of them. If any fluid leaks out of a damaged glass cell, be careful not to get the liquid crystal fluid in your mouth or skin. If the liquid crystal touches your skin or clothes, wash it off immediately using soap and water. Never swallow the fluid. The toxicity is extremely low but caution should be exercised at all times.

## Mesures de sécurité et avis importants

La présente section fournit des consignes de sécurité importantes pour les opérateurs et le personnel de service. Des avertissements ou mises en garde spécifiques figurent dans le manuel, dans les sections où ils s'appliquent. Prenez le temps de bien lire les consignes et assurez-vous de les respecter, en particulier celles qui sont destinées à prévenir les décharges électriques ou les blessures.

## Signification des symboles utilisés



Signale la présence d'une tension élevée et dangereuse dans le boîtier de l'équipement ; cette tension peut être suffisante pour constituer un risque de décharge électrique.



Avertit l'utilisateur, l'opérateur ou le technicien de maintenance que des instructions importantes relatives à l'utilisation et à l'entretien se trouvent dans la documentation accompagnant l'équipement.



Invite l'utilisateur, l'opérateur ou le technicien de maintenance à prendre note du calibre du fusible lors du remplacement de ce dernier. Le fusible auquel il est fait référence dans le texte doit être remplacé par un fusible du même calibre.



Identifie une borne de mise à la terre de protection. Il faut relier cette borne à la terre avant d'effectuer toute autre connexion à l'équipement.



Identifie une borne de mise à la terre externe qui peut être connectée en tant que borne de mise à la terre supplémentaire.



Signale la présence de composants sensibles à l'électricité statique et qui sont susceptibles d'être endommagés par une décharge électrostatique. Utilisez des procédures, des équipements et des surfaces antistatiques durant les interventions d'entretien.



Le symbole ci-contre signifie que l'appareil comporte plus d'un cordon d'alimentation et qu'il faut débrancher tous les cordons d'alimentation avant toute opération d'entretien, afin de prévenir les chocs électriques.



La marque UL certifie que l'appareil visé a été testé par Underwriters Laboratory (UL) et reconnu conforme aux exigences applicables en matière de sécurité électrique en vigueur au Canada et aux États-Unis.



La marque C-CSA-US certifie que l'appareil visé a été testé par l'Association canadienne de normalisation (CSA) et reconnu conforme aux exigences applicables en matière de sécurité électrique en vigueur au Canada et aux États-Unis.



La marque C-UL-US certifie que l'appareil visé a été testé par Underwriters Laboratory (UL) et reconnu conforme aux exigences applicables en matière de sécurité électrique en vigueur au Canada et aux États-Unis.



La marque ETL Listed d'Intertek pour le marché Nord-Américain certifie que l'appareil visé a été testé par Intertek et reconnu conforme aux exigences applicables en matière de sécurité électrique en vigueur au Canada et aux États-Unis.



Le marquage CE indique que l'appareil visé est conforme aux exigences essentielles des directives applicables de l'Union européenne en matière de sécurité électrique, de compatibilité électromagnétique et de conformité environnementale.



Le symbole ci-contre sur un appareil Grass Valley ou à l'intérieur de l'appareil indique qu'il est conforme aux normes applicables en matière de sécurité laser.

## Avertissements



Les avertissements signalent des conditions ou des pratiques susceptibles d'occasionner des blessures graves, voire fatales. Veuillez vous familiariser avec les avertissements d'ordre général ci-dessous :

- Un cordon d'alimentation dûment homologué doit être utilisé pour connecter l'appareil à une tension de secteur de 120 V CA ou 240 V CA.
- La protection de ce produit contre les courts-circuits (surintensités) dépend de l'installation électrique du bâtiment. Assurez-vous qu'un fusible ou un disjoncteur pour 120 V CA ou 240 V CA est utilisé sur les conducteurs de phase.

- Dans le présent manuel, toutes les instructions qui nécessitent d'ouvrir le couvercle de l'équipement sont destinées exclusivement au personnel technique qualifié.
- N'utilisez pas cet appareil dans un environnement humide.
- Cet équipement est mis à la terre par le conducteur de mise à la terre des cordons d'alimentation. Pour éviter les chocs électriques, branchez les cordons d'alimentation sur une prise correctement câblée avant de brancher les entrées et sorties de l'équipement.
- Acheminez les cordons d'alimentation et autres câbles de façon à ce qu'ils ne risquent pas d'être endommagés. Supportez correctement les enroulements de câbles afin de ne pas endommager les connecteurs.
- Coupez l'alimentation avant de nettoyer l'équipement. Ne pas utiliser de nettoyeurs liquides ou en aérosol. Utilisez uniquement un chiffon humide.
- Des tensions dangereuses peuvent exister en plusieurs points dans cet équipement. Pour éviter toute blessure, ne touchez pas aux connexions ou aux composants exposés lorsque l'appareil est sous tension.
- Avant de procéder à toute opération d'entretien ou de dépannage, enlevez tous vos bijoux (notamment vos bagues, votre montre et autres objets métalliques).
- Pour éviter tout risque d'incendie, utilisez uniquement les fusibles du type et du calibre indiqués sur l'équipement ou dans la documentation qui l'accompagne.
- Ne pas utiliser cet appareil dans une atmosphère explosive.
- Présence possible de courants de fuite. Un raccordement à la masse est indispensable avant la mise sous tension.
- Après tout travail d'entretien ou de réparation, faites effectuer des contrôles de sécurité par le personnel technique qualifié.

## Mises en garde



Les mises en garde signalent des conditions ou des pratiques susceptibles d'endommager l'équipement. Veuillez vous familiariser avec les mises en garde ci-dessous :

- L'appareil est conçu pour être installé dans un endroit à accès restreint.
- Au moment d'installer l'équipement, ne fixez pas les cordons d'alimentation aux surfaces intérieures de l'édifice.
- Les produits qui n'ont pas d'interrupteur marche-arrêt et qui disposent d'une source d'alimentation externe doivent être installés à proximité d'une prise de courant facile d'accès.
- Si l'équipement n'est pas pourvu d'un modules d'alimentation auto-adaptables, vérifiez la configuration de chacun des modules d'alimentation avant de les mettre sous tension.
- Assurez une ventilation adéquate. Pour éviter toute surchauffe du produit, assurez une ventilation de l'équipement conformément aux instructions d'installation.
- N'utilisez pas l'équipement si vous suspectez un dysfonctionnement du produit. Faites-le inspecter par un technicien qualifié.
- Pour réduire le risque de choc électrique, n'effectuez pas de réparations autres que celles qui sont décrites dans le présent manuel, sauf si vous êtes qualifié pour le faire.



Confiez les réparations à un technicien qualifié. La maintenance doit se réaliser dans un milieu libre d'électricité statique.

- L'appareil peut comporter plus d'un cordon d'alimentation. Afin de prévenir les chocs électriques, débrancher tous les cordons d'alimentation avant toute opération d'entretien.
- Veillez à toujours prendre les mesures de protection antistatique appropriées quand vous manipulez l'équipement.
- Pour réduire le risque de choc électrique, branchez chaque cordon d'alimentation dans des circuits de dérivation distincts utilisant des zones de service distinctes.

## Protection contre les décharges électrostatiques (DES)



Une décharge électrostatique peut se produire lorsque des composants électroniques ne sont pas manipulés de manière adéquate, ce qui peut entraîner des défaillances intermittentes ou endommager irrémédiablement un circuit électrique. Au moment de remplacer une carte dans un châssis, prenez toujours les mesures de protection antistatique appropriées :

- Assurez-vous que le châssis est relié électriquement à la terre par le cordon d'alimentation ou tout autre moyen disponible.
- Portez un bracelet antistatique et assurez-vous qu'il est bien en contact avec la peau. Connectez la pince de masse à une *surface non peinte* du châssis pour détourner à la terre toute tension électrostatique indésirable. En l'absence de bracelet antistatique, déchargez l'électricité statique de votre corps en touchant une surface métallique *non peinte* du châssis.
- Pour plus de sécurité, vérifiez périodiquement la valeur de résistance du bracelet antistatique. Elle doit se situer entre 1 et 10 mégohms.
- Si vous devez mettre une carte de côté, assurez-vous de la ranger dans un sac protecteur antistatique.
- Les cartes qui sont reliées à un châssis ou boîtier métallique mis à la terre ne nécessitent pas de protection antistatique spéciale.

## Manipulation de la pile



Ce produit peut inclure une pile de sauvegarde. Il y a un risque d'explosion si la pile est remplacée de manière incorrecte. Remplacez la pile uniquement par un modèle identique ou équivalent recommandé par le fabricant. Disposez des piles usagées conformément aux instructions du fabricant. Avant de vous séparer de votre équipement Grass Valley, veuillez consulter les *informations de mise au rebut et de recyclage* à :

[http://www.grassvalley.com/assets/media/5692/Take-Back\\_Instructions.pdf](http://www.grassvalley.com/assets/media/5692/Take-Back_Instructions.pdf)

## Précautions pour les écrans LCD et TFT



Regarder l'écran pendant une trop longue période de temps peut nuire à votre vision. Prenez une pause de 10 minutes, après 30 minutes d'utilisation.

Si l'écran LCD ou TFT est brisé, manipulez les fragments de verre avec précaution au moment de vous en débarrasser. veillez à ce que le cristal liquide n'entre pas en contact avec la peau ou la bouche. En cas de contact avec la peau ou les vêtements, laver immédiatement à l'eau savonneuse. Ne jamais ingérer le liquide. La toxicité est extrêmement faible, mais la prudence demeure de mise en tout temps.

## Environmental Information

European (CE) WEEE directive.



This symbol on the product(s) means that at the end of life disposal it should not be mixed with general waste.

Visit [www.grassvalley.com](http://www.grassvalley.com) for recycling information.

Grass Valley believes this environmental information to be correct but cannot guarantee its completeness or accuracy since it is based on data received from sources outside our company. All specifications are subject to change without notice.

If you have questions about Grass Valley environmental and social involvement (WEEE, RoHS, REACH, etc.), please contact us at [environment@grassvalley.com](mailto:environment@grassvalley.com).

## Safety and EMC Standards

This equipment complies with the following standards:

### Safety Standards



#### Information Technology Equipment - Safety Part 1

##### **EN60950-1: 2006**

Safety of Information Technology Equipment Including Electrical Business Equipment.

##### **UL1419 (4<sup>th</sup> Edition)**

Standard for Safety – Professional Video and Audio equipment (UL file number E193966)

### EMC Standards

This unit conforms to the following standards:

##### **EN55032:2015 (Class A)**

Electromagnetic Compatibility of multimedia equipment - Emission requirements

##### **EN61000-3-2:2014 (Class A)**

Electromagnetic Compatibility - Limits for harmonic current emissions

##### **EN61000-3-3:2013**

Electromagnetic Compatibility - Limits of voltage changes, voltage fluctuations and flicker

##### **EN55103-2:2009 (Environment E2)**

Electromagnetic Compatibility, Product family standard for audio, video, audio-visual and entertainment lighting control apparatus for professional use. Part 2. Immunity

**WARNING**

This equipment is compliant with Class A of CISPR 32. In a residential environment this equipment may cause radio interference.

##### **FCC / CFR 47:Part 15 (Class A)**

Federal Communications Commission Rules Part 15, Subpart B

Caution to the user that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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Note: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

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## EMC Performance of Cables and Connectors

Grass Valley products are designed to meet or exceed the requirements of the appropriate European EMC standards. In order to achieve this performance in real installations it is essential to use cables and connectors with good EMC characteristics.

All signal connections (including remote control connections) shall be made with screened cables terminated in connectors having a metal shell. The cable screen shall have a large-area contact with the metal shell.

### SIGNAL/DATA PORTS

For unconnected signal/data ports on the unit, fit shielding covers. For example, fit EMI blanking covers to SFP+ type ports; and fit 75  $\Omega$  RF terminators to BNC type ports.

### COAXIAL CABLES

Coaxial cables connections (particularly serial digital video connections) shall be made with high-quality double-screened coaxial cables such as Belden 8281 or BBC type PSF1/2M and Belden 1694A (for 3Gbps).

### D-TYPE CONNECTORS

D-type connectors shall have metal shells making good RF contact with the cable screen. Connectors having "dimples" which improve the contact between the plug and socket shells, are recommended.

# toc

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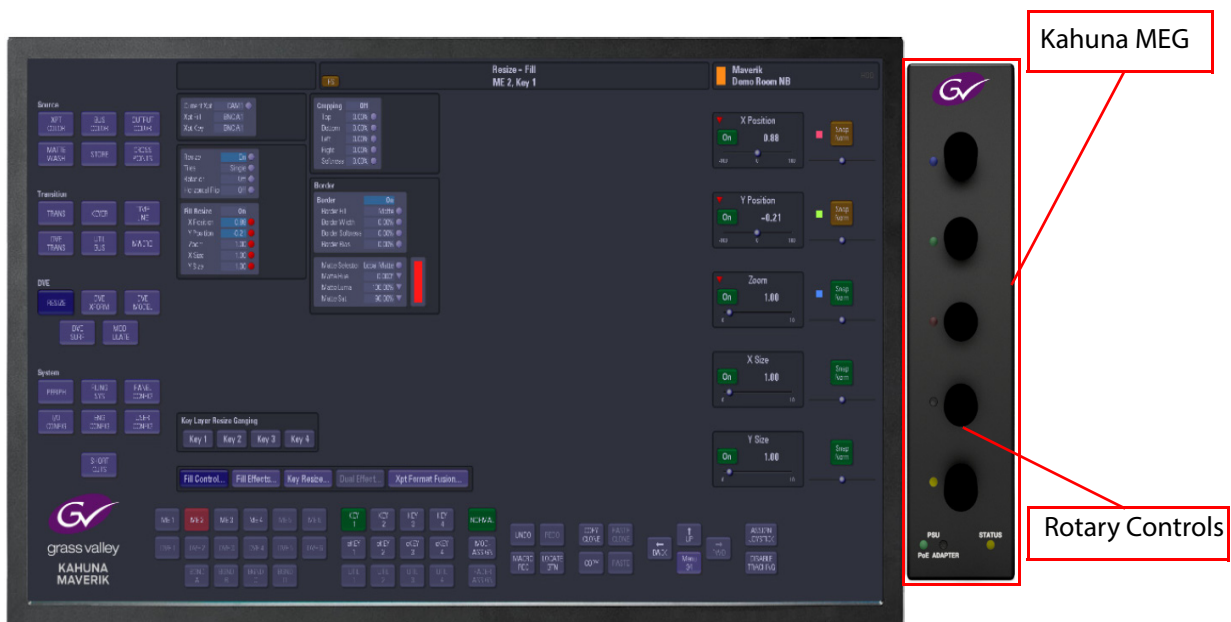
# Kahuna MEG

## Kahuna MEG Overview

Kahuna MEG is designed to work with an external touch screen Graphical User Interface. The metal bracket the MEG module attaches to, is designed to fit a VESA 75/100 stand, which allows the MEG to be situated on the right hand side of the monitor to align with the on-screen parameter controls.

Once connected to a network and setup to work with the Kahuna system, the five rotary controls can be used to finely adjust parameter controls in the Kahuna menus, giving the user precise control.

The diagram below displays a touch screen monitor with a Kahuna MEG attached.



### What is required:

- 1x MEG module (supplied)
- 1x MEG module VESA Bracket kit (supplied)
- 1x Ethernet Cables (supplied).
- 1x External power supply (supplied).

## MEG IP Address Setup

**IMPORTANT:** Please make sure that the Kahuna system is running V9.4r1 software or greater **before setting up and connecting the MEG module to the system.**

It is easier to setup the MEG module before attaching it to a monitor. The first thing to do is to setup the IP address of the MEG module so that Kahuna is able to communicate with it.

### MEG Module Factory Reset

At the bottom of the MEG module is a "Factory Reset" button. This is used to reset the IP address and reboot the MEG module if the MEG module has been setup before and the current IP address is not known. Carefully depress and hold the Factory Reset button for 10 seconds. The LEDs will flash a few times, after 10 seconds has passed, the IP address is reset to the factory IP address of "192.168.1.1" and reboot.

Connect the MEG module to the external power supply and power it up. Connect a PC or laptop directly to the MEG module via a network cable to the RJ45 port. If this is the first time the MEG module is being set up, set the PC/Laptop IP Address to within the range of the default IP address of the MEG module which is "192.168.1.1" so for example, set the PC/laptop IP address to "192.168.1.2".

Once this is done, open a browser window on the PC/laptop and type in the default IP address, the "Web Page" for the MEG module will open.

The screenshot displays the MEG module's web interface. At the top, there is a logo and the text "Operational Mode". Below this, three radio buttons are visible: "RollCall", "Production Switcher" (which is selected and highlighted with a red box), and "Test mode". An "Apply and Restart" button is located below the radio buttons. The "System configuration" section contains a table with three columns: "IP address", "Subnet mask", and "Gateway". The "IP address" field contains "10.162.5.108" and the "Subnet mask" field contains "255.255.0.0", both highlighted with a red box. Below the table is a "Panel name" input field containing "MEG" and a "Save" button. The "System information" section features two tables. The first table has columns for "Web page version", "Panel software version", "Production Switcher software version", "Mod Level", "Module ID", and "PCB Rev". The second table has columns for "MAC Address", "Serial Number", "Board Name", "BSP Version", "PSU A", and "PSU B". The "PSU A" field contains "On" and the "PSU B" field contains "No power". At the bottom of the page, there is a copyright notice: "© 2018 Grass Valley, Canada. All Rights Reserved".

In the Web Page window, select "Production Switcher", then in the "System Configuration" area enter an IP address that is within the range of the Kahuna mainframe and enter Subnet Mask.



For example, if the Kahuna mainframe has an IP address of "**178.162.20.86/19**" then enter an IP address of "**178.162.20.87**" and a Subnet Mask of "**255.255.224**". You can also give the panel a unique name if required.

Finally click on the "**Save**" button. The new IP address and Subnet Mask has been updated and the Meg module is ready to use with the Kahuna system.

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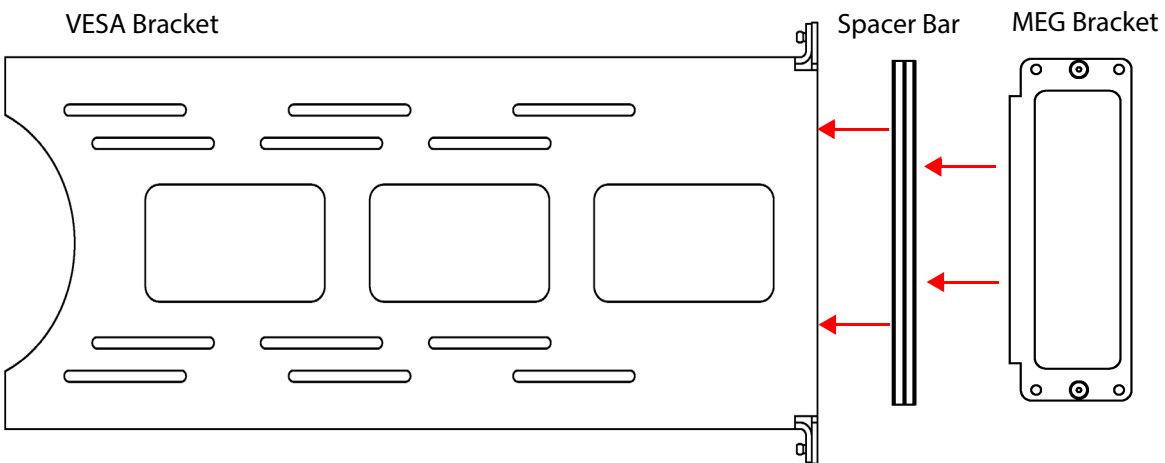
Note: All applicable software updates for MEG are done when the Kahuna system software or the Maverik panel software is updated.

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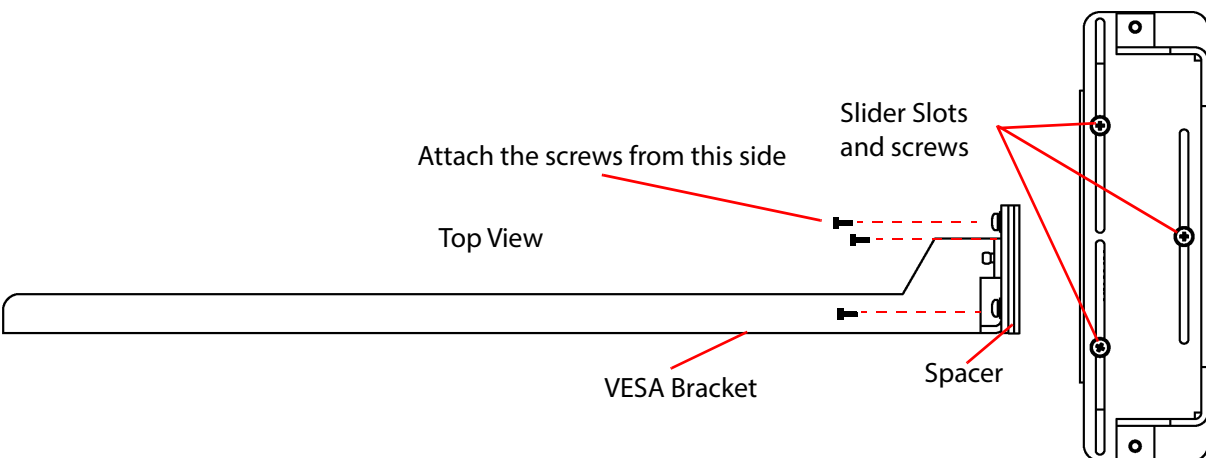
## Attaching the MEG module to a Monitor

The mounting bracket that the MEG is mounted on is supplied in 3 pieces and includes the assembly screws:

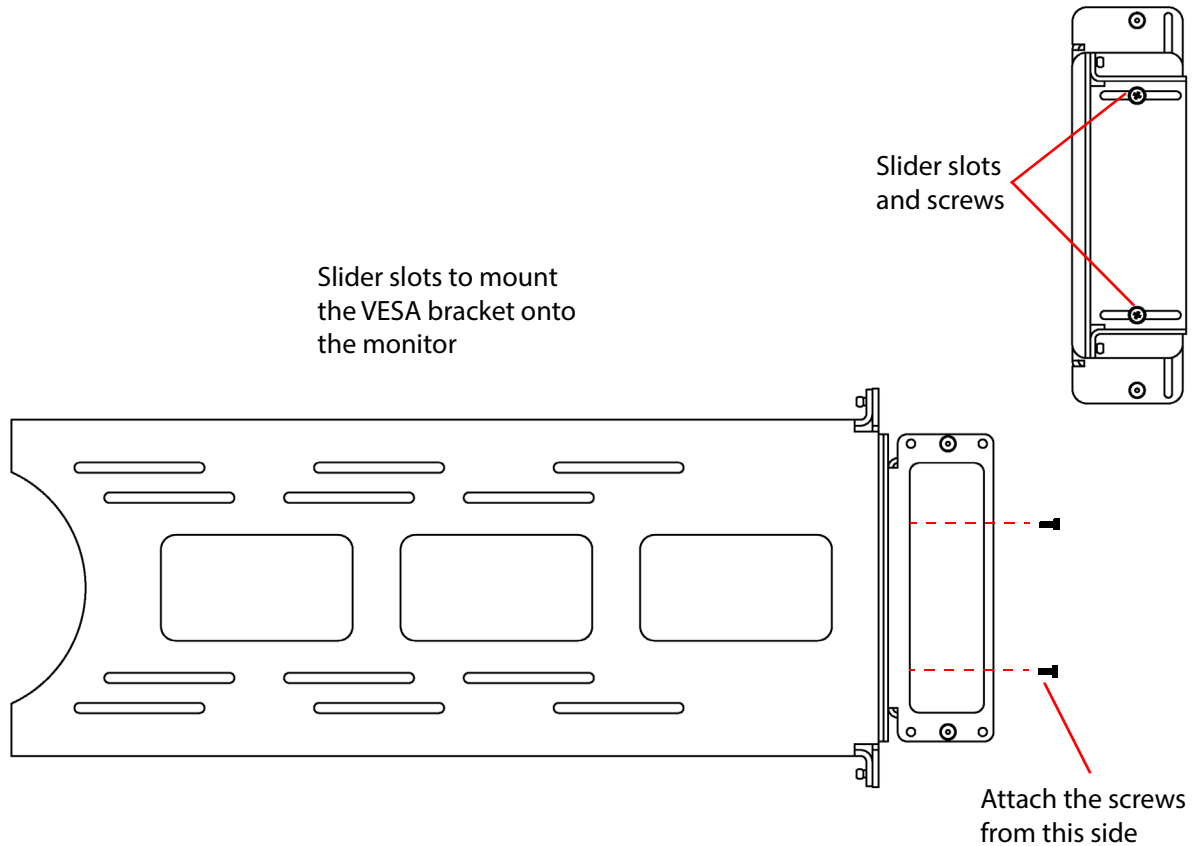
- VESA bracket
- Spacer
- MEG bracket
- Assembly screws



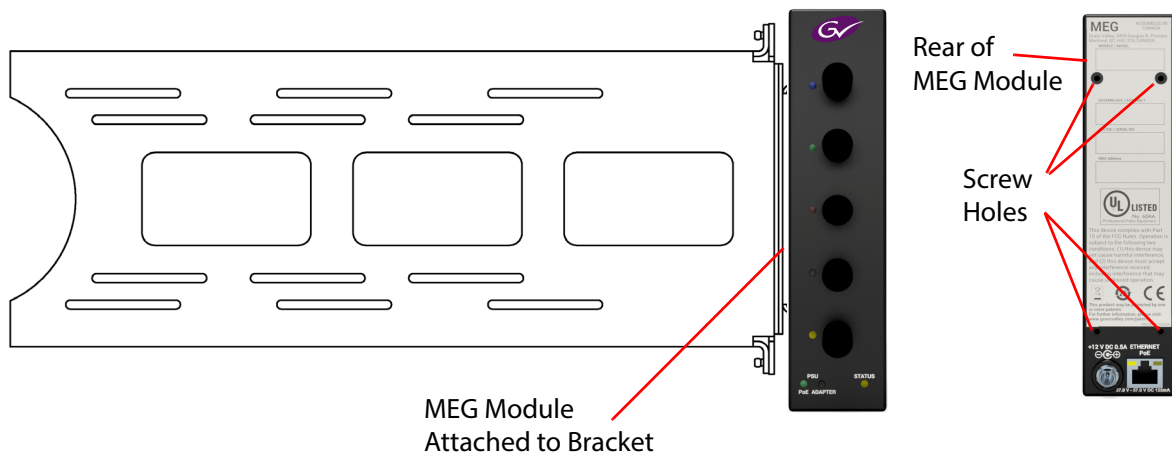
The spacer bar attaches to the VESA bracket with 3x screws (shown below) . On the back of the VESA bracket when the spacer is mounted are three vertical slider slots where the three screws go through to attach the spacer bar. The slider slots allow the spacer bar (and MEG bracket when attached) to be adjusted vertically (up and down). Hold the spacer on the VESA bracket and attach the spacer bar.



With the spacer bar now fixed to the VESA bracket, the MEG bracket attaches to the spacer bar with 2x screws (as shown below). On the MEG bracket there are two horizontal slider slots that allow the MEG bracket to be moved and positioned forward or backward. Hold the MEG bracket to the spacer bar and attach.



The MEG module has 4x screw holes on the back that line up with the holes on the MEG bracket. Fix the MEG module to the bracket with 4x screws



The cut-outs on the VESA bracket allow for different size stand brackets and monitors. When mounting the MEG and VESA bracket to the back of a monitor, the MEG module must be situated on the right side of the monitor. The MEG VESA bracket attaches to the rear of the monitor to the "VESA 75 or VESA 100" attachment holes.

The VESA stand bracket and the MEG VESA bracket attach to the monitor with the correct screws (not supplied).

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Note: Some monitors have the On/Off button and control buttons running down the right side of the monitor. When fitting the VESA bracket to the monitor, make sure to leave enough room to allow you to use the monitor buttons.

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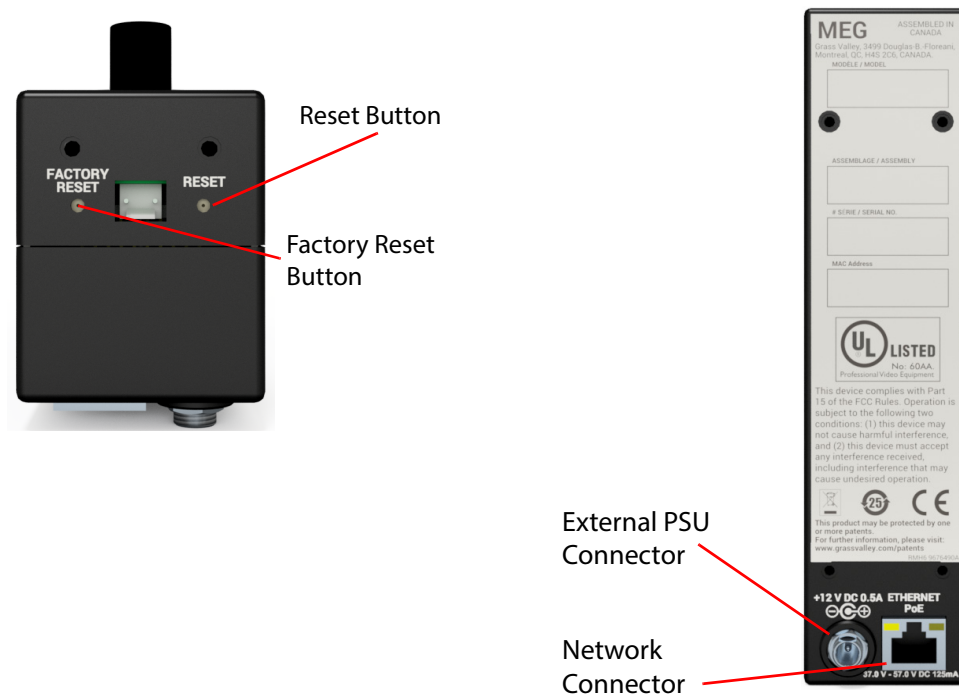
## Connecting the MEG module and Setup with Kahuna

**IMPORTANT:** Please make sure that the Kahuna system is running V9.4r1 software or greater before setting up and connecting the MEG module to the system.

The RJ45 PoE/Network connector at rear of the MEG module is used to connected directly to a network switch.

Note: It is recommended that you use the (supplied) external power supply to power the MEG module.

You can also connect the MEG module (**without the supplied external power supply**) to a Power Over Ethernet (PoE) network switch. Rated 37.0V - 57.0V DC 125mA.



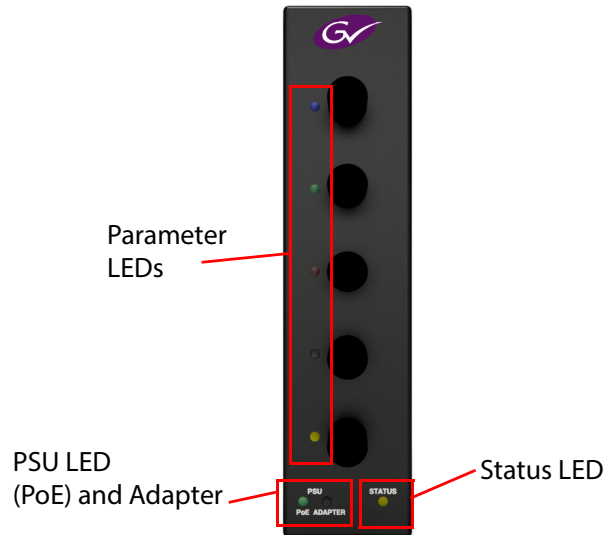
At the bottom of the MEG module is a **“Factory Reset”** button. This is used reset the IP address and reboot the MEG module. Carefully depress and hold the Factory Reset button for 10 seconds. The LEDs will flash a few times, after 10 seconds has passed, the IP address is reset to the factory IP address of “192.168.1.1” and reboot.

Note: The 2 Pin connector is not currently used.

The **“Reset”** button just resets the MEG module (reboot). The current IP address is maintained.

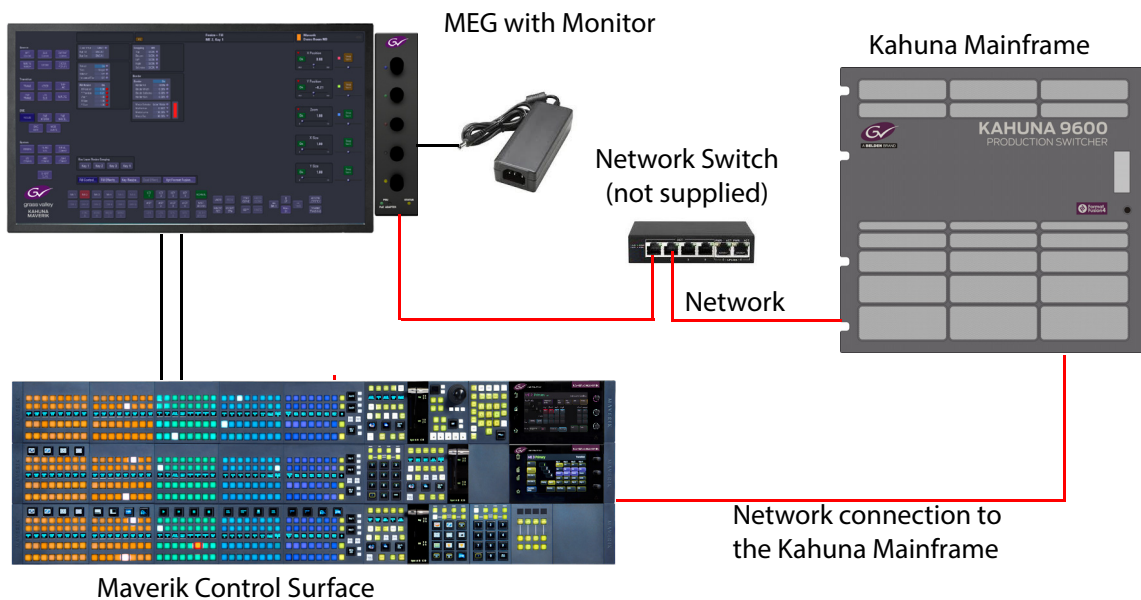
### When Powered Up and Working

When setup and working, the LEDs on the MEG module will light up according to the number of parameter controls in the current menu, 3 or 5. The “PSU ADAPTER” LED will light green and the “Status” LED will light green.



### System Connection

The diagram below displays how the MEG module connects to the Kahuna mainframe.

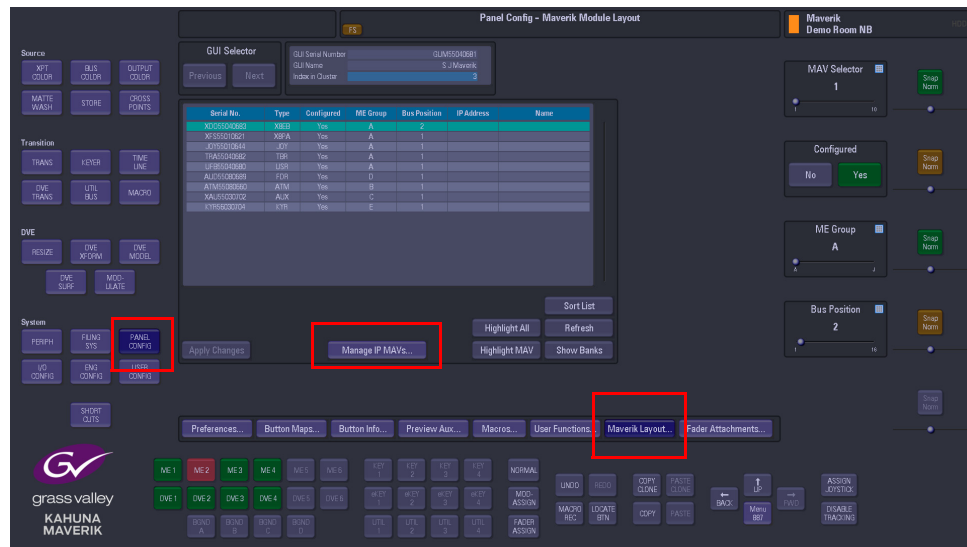


Note: When connecting the external PSU to the MEG module, make sure that the PSU is supported and not hanging from the MEG module.

## Setting up the MEG module with Kahuna

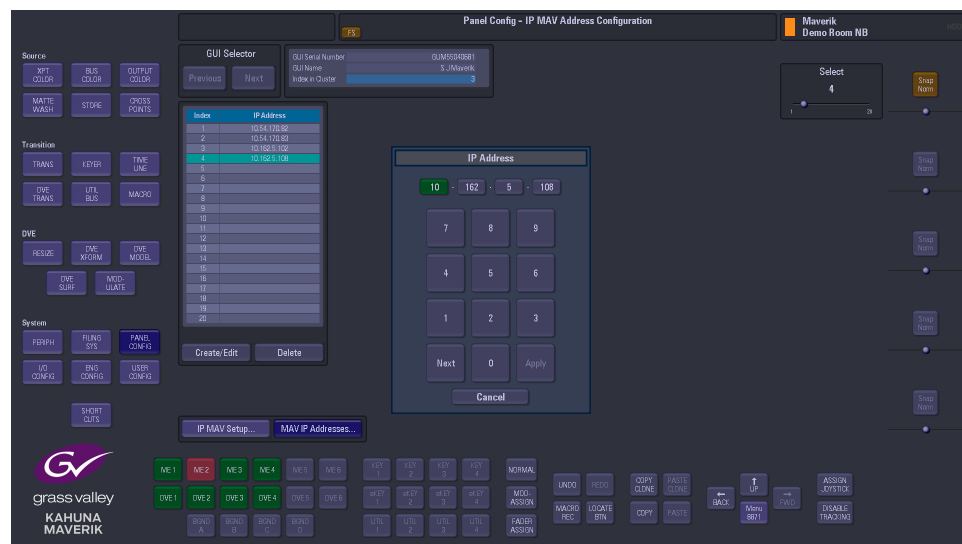
Once the MEG module is connected to the Kahuna mainframe, the MEG module needs to be recognized by the Kahuna software.

On the external GUI, touch the **“Panel Config”** button. In the Panel Config menu, touch the **“Maverik Layout”** menu link button.

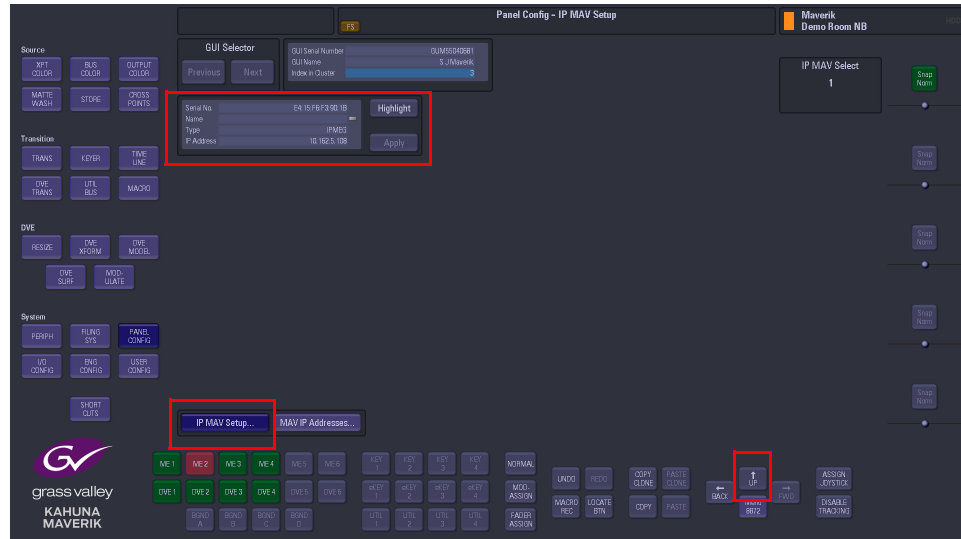


The Maverik Layout menu displays all the MAV modules connected to the mainframe for the selected cluster.

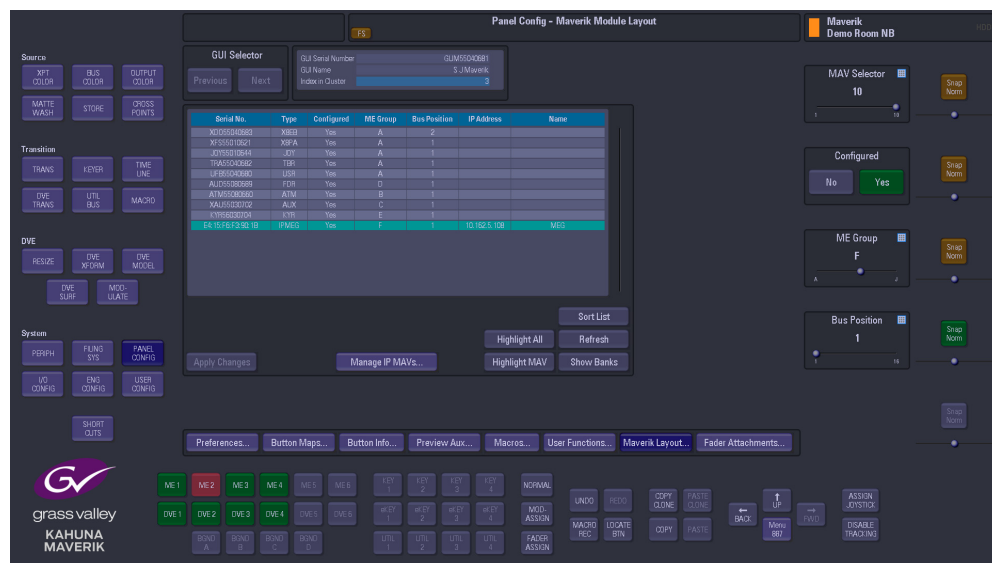
To setup the MEG module, touch the **“Manage IP MAVs”** button. This will open the IP MAV Address Configuration menu, this is where you enter the IP address of the MEG module. Touch the **“Create/Edit”** button and using the IP Address dialog box, enter the IP address of the MEG module and touch **“Apply”**



Touch the **“IP MAV Setup”** button and you will see that the MEG module has been added to the system. The information contained in the list is the serial number of the MEG module and the IP address.



Go back to the **“Maverik Layout”** menu by touching the **“Up”** button and you will see the MEG module listed in the table (as shown below). You now have to use the **“ME Group”** parameter to give the MEG a group letter and use the **“Bus Position”** parameter to give MEG a Bus position number. Once this is done, set the **“Configured”** parameter to **“Yes”**.



Finally touch the **“Apply Changes”** button. The MEG module is now setup ready to use.

Note: If the MEG module is unplugged from the external PSU or PoE and then plugged back in, it will take approx 30 seconds to re-establish itself to the Kahuna system.





## **Grass Valley Technical Support**

For technical assistance, contact our international support center, at 1-800-547-8949 (US and Canada) or +1 530 478 4148.

To obtain a local phone number for the support center nearest you, please consult the Contact Us section of Grass Valley's website ([www.grassvalley.com](http://www.grassvalley.com)).

An online form for e-mail contact is also available from the website.

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