



LED LIGHTING FOR EVERYONE

Kling-Net is a revolutionary plug-and-play protocol for easy operation of LED devices.

ArKaos has designed the Kling-Net protocol to allow the distribution of real-time video data to remote display devices, such as LED strips or LED panels, over Ethernet.

Kling-Net allows:

- The automatic configuration and connection of display devices to a computer
- Add some 'intelligence' into display devices, which enables auto-configuration capability
 - A perfect time synchronization of multiple display devices
 - Using expensive hardware video converters to send video to display devices
- The creation of a heterogenic network of display devices from different manufacturers, which can all be controlled from one computer

Easier than ever

Kling-Net uses a Media Server to do all the work, making operation simpler than ever. It adds a layer of 'intelligence' to even the most simple LED device, enabling direct communication to the Media Server. With Kling-Net, the LED devices configure themselves automatically, removing the need for complicated setup processes.

Auto Configuration

Kling-Net's auto configuration capabilities allow a large range of devices to be controlled by the same Media Server, thus avoiding the painful process of creating and matching profiles between the Media Server and each individual device.

At power up, the LED devices are detected and configured automatically by Kling-Net by sending their resolution and pixel format to the Media Server. The Media Server is notified of any changed parameter from the device. This makes the whole process extremely fast and easy, while minimising the potential for mistake!

Once a device is registered to a Media Server, it will start receiving video frames, as mapped by the user onto the Media Server's display, in real-time. Because the Media Server performs the image transformation then outputs the correct pixel format, the work to be done by the display device is minimal. And since the Media Server does all the work, your video can play at a smooth 60 FPS.

Download Kling-Net Tile App on your phone





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Kling-Force is the new hardware platform built by ArKaos, around the combination of a powerful processor and a hardware network switch.

Kling-Force LED



Kling-Force LED is an interface designed to drive LED strips. There are now many LED strips on the market with various densities, formats and prices.

Kling-Force LED makes it easy and affordable to drive LEDs from an ArKaos software acting as a Media Server.



Kling-Force DMX



Kling-Force DMX is an elegant and efficient solution to drive traditional DMX fixtures. There are 4 DMX outputs to drive 4 DMX universes.

The 2 ethernet connections allow daisy chaining.



Added Intelligence = Simplicity = Economy

Kling-Net brings LED lighting within reach of the smallest clubs and venues by making it less technical and less expensive. LED lighting is now easy to use and cost effective; thanks to the Kling-Net protocol you no longer have to use expensive devices to obtain sophisticated control.

Universal Application

Kling-Net has been designed to work with mostly any manufacturers' LED products. Its source code is capable of transforming even the most simple LED device into an intelligent Kling-Net device.

