

Essentials Quick Start Guide

Read this quick start guide carefully before using the product. Pictures shown in this document are for reference only. Different models and specifications are subject to real product. Refer to the IP-Logic Installation Manual for more details on installing and configuring the Essentials Control Server.



HDMI®

HDCP

4K HDR
ULTRA HD



SDVoE™
ALLIANCE



AES67

Dante
AES67

Important Downloads

Download the latest documents from the product page of the zigencorp.com website. The product page contains the latest documents to ensure a successful deployment of IP-Logic. Important documents include:

- IP-Logic_UserManual
- IP-Logic_TechnicalManual
- IP-Logic_InstallationManual
- ESSENTIALS_ProductSpecification
- ZIG-IPPRO-RXTX_ProductSpecification
- IP-Logic_Control_System_Drivers

Packing List

- 1x Essentials Control Server
- 1x Universal 100-240 VAC, 12V/1A Power Supply
- 2x Mounting Bracket
- 1x Quick Start Guide

Specifications

Processor	Marvell Armada A388 ARM A9 Dual Core 1.6GHz
Memory	1GB RAM, 8GB eMMC
SDVOE LAN Port	1x 1G RJ-45 (IP-Logic Domain), 1x 1G SFP+ Optical (AVoIP Ethernet Domain)
Control LAN Port	1x 1G RJ-45 (Facility Ethernet Domain)
USB	1x USB 3.0 (Reserved for future use)
Power	12VDC, 1A
Dimension	103mm x 75mm
Temperature	0° to 40° C (10% - 90% Non-Condensing Humidity)
Regulatory Safety and Emissions	CE, FCC, RoHS

Related Products

The Essentials Unit is the Control Server for the IP Logic Eco-System. All IP Logic User Interfaces and Control System parameters pass through the Essentials Control Server. Related IP Logic components include the ZIG-IPPro-TX and ZIG-IPPro-RX.

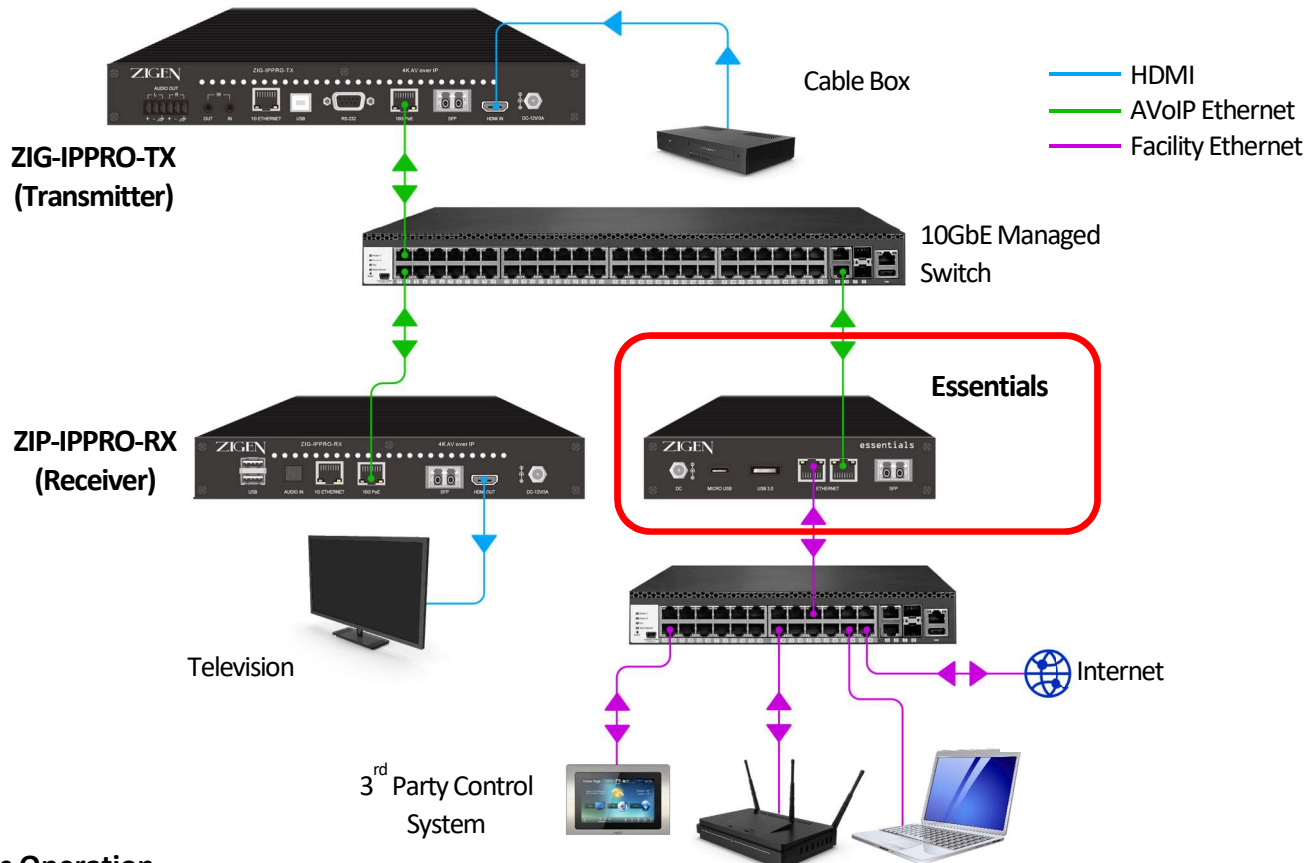
Essentials Default Settings

IP Address: DHCP, AutoIP with no DHCP Server
 Hostname: ipessentials.local

Enter the Hostname from any browser to access the IP-Logic ZigNet webserver to graphically manage all connected IP Logic devices.

Quick Start Guide

Example Wiring Diagram



Basic Operation

The Essentials unit is the IP-Logic system control server featuring a built-in WebServer for managing all controls of IP-Logic devices. The basic wiring diagram above depicts the isolated Ethernet connectivity between the IP-Logic AVoIP domain and the facility ethernet. For optimum video and audio performance, the AVoIP network domain must be isolated from the facility's main network infrastructure. The facility Ethernet is used to connect Essentials with 3rd Party Control Systems. Ensure that the latest 3rd Party Control System drivers are installed before use.

It is highly recommended to use a DHCP server within the AVoIP network. Most managed switches have built-in DHCP servers that may have to be enabled. Consult the network switch user manual.

To access the Graphical User Interface (GUI) of Essentials, connect a computer to the facility Ethernet and type the following hostname "ipessentials.local" on a web browser (for example Chrome, Firefox, Safari). If the hostname is not found, compare the system wiring with the basic wiring diagram shown above. If the hostname is still not found, the Essentials IP Address may have to be entered on the browser instead of its hostname. Essentials IP Address can be identified by using a utility called "Zignet-Finder.exe." (download this tool from the Zigen website). Run the utility to find any Zigen network connected device regardless of its subnet location within the facility. Once the IP-Logic device is found, Zignet-Finder will show the device's network information such as IP Address, Subnet Mask, and Gateway. The network parameters of discovered devices can also be changed by the utility.

Essentials will automatically download the latest firmware/software of all connected IP-Logic devices if the facility Ethernet is connected to the Internet. The user will be prompted to update the IP-Logic devices once the new firmware/software has been downloaded successfully.

Warranty Information

Powered Product Warranty

Zigen warrants its powered products against any defects in materials and workmanship for a period of three years from the date of invoice. Touchscreen displays carry a one year parts and labor warranty. If a malfunction occurs during the warranty period, Zigen will repair or replace a product to its original operating condition. A return authorization number must be obtained from Zigen before products are returned for service.

Non-Powered and Cable Products - Lifetime Limited Performance Warranty

Zigen warrants that its non-powered products and cable products will be free from defects in material and workmanship for as long as you or your customer owns the product. All Zigen non-powered products and cables are designed and engineered to meet and exceed performance specifications. If, at any time, the product fails due to manufacturer defect, Zigen will repair or replace the product to ensure that it meets original performance specifications. Reduced performance due to normal wear and tear, or damages caused by misuse or negligence will not be covered. Zigen will test and evaluate all non-powered and cable products claimed defective. Products must be shipped to Zigen, prepaid along with proof of purchase only after obtaining a Return Merchandise Authorization (RMA) number from Zigen. This statement of policy is in lieu of any other policy expressed or implied and no representative or person is authorized to assume any other liability or adopt any other policy for Zigen without our written consent.

Return Policy

If you would like to return a Zigen product, it can be done within 30 days of purchase for a full refund, less shipping and handling. Zigen will not be responsible for shipping and handling of product returns. Returns will only be accepted of products with proof of purchase, products in the original packaging with zero to minimal use and a Return Merchandise Authorization RMA number provided by Zigen.

Notes: