



ZMOTE



ZMOTE *pro*



ZMOTE **ETH**

CONNECT, CONTROL, AUTOMATE, MONITOR

Instant network control, both wired and wireless, for any IR-controlled device.

OPEN API

Based on open systems and industry standards for easy integration and compatibility. Use with a variety of 3P systems and Apps.

EASY SETUP

Web-based tools to control all connectivity options. Over-the-air firmware upgrades.

Three different product variants, distinguished by number of IR output channels and connectivity options, are available to suit a wide variety of home automation installation needs:

zmote: Wi-Fi connectivity with single input and output channel

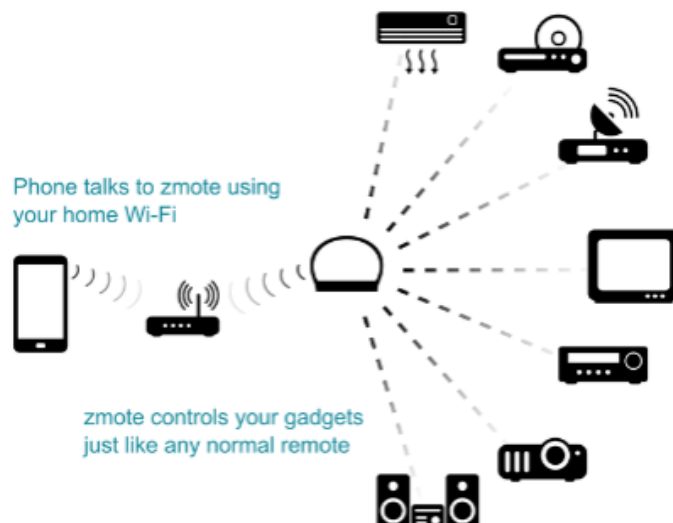
zmote Pro: Wi-Fi connectivity with four output channels and one extensible input channel

zmote ETH: Wired ethernet (RJ45) connectivity with four output channels and one extensible input channel

The ZMOTE family allows you to control your TV, Set-top-box, Air Conditioners and other devices around the home using infrared (IR) codes.

All products support both IR blasting and learning capabilities, together with network (TCP/IP) connectivity.

All ZMOTE products can be configured and controlled via our web application (<http://app.zmote.io>) or using a variety of third-party applications.



Klar Systems Private Limited
Bangalore, India

Technical Specifications

DISCOVERY

Local discovery via UDP.
Discovery via cloud backend also supported.

LOCAL CONTROL

API available via raw TCP,
HTTP, WebSockets for minimum
latency and maximum flexibility.
HTTP Auth supported.

REMOTE CONTROL

Control from outside home
network available via MQTT with
strong password protection.

Model Number	ZV-2 (zmote), ZP-1 (zmote Pro), ZE-1 (zmote ETH)
Dimensions	110 mm × 65 mm × 28 mm (ZP-1, ZE-1) 60 mm Ø × 43 mm (ZV-2)
Power Supply	5 V DC – 1 A (micro USB)
IR and Sensor Interface (ZE-1, ZP-1 only)	3.5 mm stereo/mono jack 4 independent selectable IR outputs 1 IR sensor input 1 IR blaster supported on port 3
Built-in IR Sensor	38 kHz f_c
External IR Sensor (ZP-1, ZE-1)	33-60 kHz f_c , 5V/20 mA max, demodulated output (optional accessory required)
IR Transmitters	3 channels, 33-60kHz f_c , 5V/100 mA max output impedance 20Ω (ZP-1, ZE-1)
IR Blaster	1 channel, 33-60 kHz f_c , 5V/400 mA max output impedance 4Ω (optional accessory required for ZP-1 and ZE-1)
Included Accessories	USB cable, 150V-240VAC, DC 5V-1Amp power supply (ZP-1, ZE-1), 3x3m IR emitters (ZE-1, ZP-1), 0.3m RJ45 cable (ZE-1 only), Quick Install Guide
Optional Accessories	IR Blaster, IR input
Network Connectivity	Control over IPv4 TCP, HTTP, MQTT Configuration via built-in web server
Wi-Fi (ZV-2, ZP-1)	<u>Protocols:</u> 802.11 b/g/n (HT20) <u>Frequency Range:</u> 2.4G ~ 2.5G (2400M ~ 2483.5M) <u>TX Power:</u> 802.11b: +20 dBm, 802.11g: +17 dBm, 802.11n: +14 dBm <u>RX Sensitivity:</u> 802.11 b: -91 dbm (11 Mbps), 802.11 g: - 75 dbm (54 Mbps), 802.11 n: -72 dbm (MCS7) <u>Antenna:</u> PCB trace <u>Security:</u> WPA2, AES
Ethernet (ZE-1)	10BASE-T IEEE 802.3 Ethernet Max speed 10 Mbps
Cerifications	Wi-Fi CERTIFIED™ , FCC/CE (ZP-1, ZE-1)
Warranty	1-year limited replacement warranty for main unit not including accessories