IPMITTER

Wireless IP Bridge Quick Start Guide

Bridge an IP connection wirelessly between two points for IP cameras and other IP devices. Devices connect via the RJ45 port on the IPmitter.

IPMIT204 / 254 2.4GHz · 300Mbps

IPMIT304 / 354 5.8GHz · 900Mbps

IPMIT430 / 460 5.8GHz · 900Mbps · long range



Powering

Option 1 **12V DC** via the 2.1mm DC socket (centre positive), 300mA. All models are polarity sensitive, so connect correctly.

Option 2 **48V PoE** (802.3af) into the RJ45 **WAN/PoE** socket.

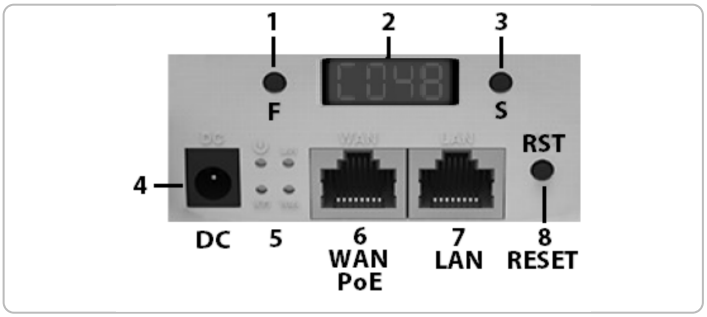
Boot time is about **1 minute** (IPMIT204, IPMIT304) or **3 minutes** (IPMIT430).

> The IPmitter does **not** provide PoE power out to a camera or other load device.

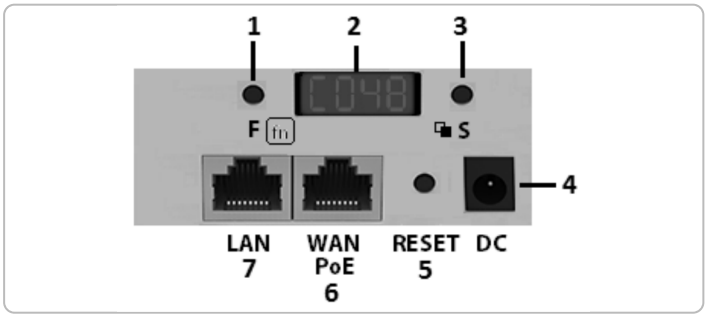
Connections at a glance

	IPMIT204 / 304	IPMIT430
Panel order	DC, LEDs, WAN, LAN, RST	LAN, WAN, RST, DC
Status LEDs	Power, WiFi, WAN, LAN	None
WAN/PoE	10/100Mbps	10/100/1000Mbps
LAN	10/100Mbps	10/100Mbps

Controls and connections

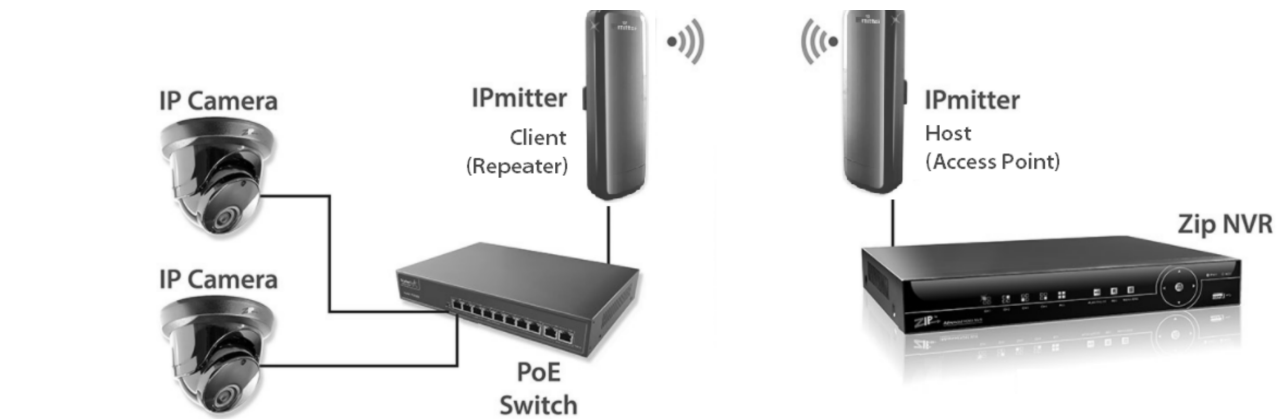


IPMIT204 / IPMIT304 — 1 Function · 2 LED display · 3 Setting · 4 12V DC · 5 Connection LEDs · 6 WAN/PoE · 7 LAN · 8 Reset/Pair



IPMIT430 — 1 Function · 2 LED display · 3 Setting · 4 12V DC · 5 Reset/Pair · 6 WAN/PoE · 7 LAN

Standard WiFi bridge setup



Cameras connect to a PoE switch and the **Client** IPmitter; the **Host** IPmitter connects to the NVR. If using a Zip recorder, cameras must be added manually — see zipdvr.com/howto/TIP459-How-To-Add-IP-Cameras.html. For more setup options see the full manual.

Channels and pairing

IPmitters ship set to **H (Host)** and must be paired before installing. Set one unit to **H (Host)** and the other to **C (Client)**, both on the same channel.

MODEL	AVAILABLE CHANNELS	FACTORY DEFAULT	PAIRING TIME
IPMIT204	1–14	H	Up to 2 min
IPMIT304	34–64, 100–140 (multiples of 4)	H	Up to 2 min
IPMIT430	36–64, 100–140 (multiples of 4)	H100 (Host, channel 100)	Up to 5 min

Before pairing: keep the IPmitters at least **2m apart**, or they will "de-sense" and not pair. Do not connect both to the **same PoE switch**, or they will detect a network loop and not pair.

Pairing — IPMIT204 / IPMIT304

1. Press **F**; "H" flashes. Press **S** to change it to "C".
2. Press **F** 4 times to move across the display. The whole display flashes for about 5 seconds to confirm the settings are saved.
3. Press **RST** for 1 second on both IPmitters.

Pairing — IPMIT430 (example on channel 100)

1. Power both IPmitters and leave them to boot for at least 3 minutes.
2. Press **F**; "H" flashes. Press **S** to change it to "C100".
3. The whole display flashes to confirm the settings are saved. Once it boots back up the display shows "C036".
4. Press **RST** for 1 second on both IPmitters.

Reading the display

While pairing, the display shows **P** with a rotating segment. Once paired it shows **P** and a signal value.

P-01
Good signal

...
Signal weakens as the number rises

P-75
Poor signal

P-95
Not paired (IPMIT430 display eventually goes off)

ERR on display (IPMIT430)
Default both IPmitters by holding RST for at least 10 seconds, then pair again.

Adding clients
A host supports up to 4 clients. Set the channel on the new client, then press RST on the new client and the host.

Specifications

SPECIFICATION	IPMIT204 / 254	IPMIT304 / 354	IPMIT430 / 460
Frequency	2.4GHz	5.8GHz	5.8GHz
Wireless data speed	300Mbps	900Mbps	900Mbps
Wireless standard	IEEE 802.11b/g/n	IEEE 802.11ac/a	IEEE 802.11ac/a
LAN port 1 speed	10/100Mbps	10/100Mbps	10/100Mbps
LAN port 2 speed	10/100Mbps	10/100Mbps	10/100/1000Mbps
Max Tx distance	700m (recommend 350m)	700m (recommend 350m)	2000m (recommend 1000m)
Dimensions	165 × 88 × 56mm	165 × 88 × 56mm	260 × 88 × 56mm

All models: 48V PoE · 12V input option · Easy Pair technology · 1-to-1 and 1-to-many · Access Point / Repeater modes · wall or pole mounting (fixings not supplied).

All specifications are approximate. Global Security Brands Ltd reserves the right to change product specifications or features without notice. Whilst every effort is made to ensure these instructions are complete and accurate, Global Security Brands Ltd cannot be held responsible for any losses, however they arise, from errors or omissions in these instructions, or the performance or non-performance of the equipment referred to.

This equipment must not be mixed with general household waste. For treatment, recovery and recycling, return it to your local designated WEE/CG0783SS collection point as defined by your local council.

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