



IPMule IP-TX101 IP Down Co-ax Single Unit User Guide

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*IPMule IP-TX101 IP Down Co-ax
Single Unit User Guide*



IP Down Co-ax, Alarm or Telephone Cable

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IP-TX101 - Quick Start Guide



[www.systemq.com/PDF/
manual/xIP-TX101.pdf](http://www.systemq.com/PDF/manual/xIP-TX101.pdf)

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The IP-Mules can be used to create a network over coax, alarm or telephone cable. It can be used for IP cameras or other network devices.

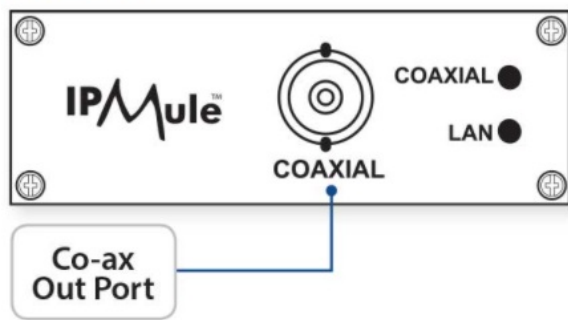
Several IP cameras can be sent down the one cable using multiple IP Mules, see the table & diagrams overleaf for the limits on bandwidth and connections.

Contents

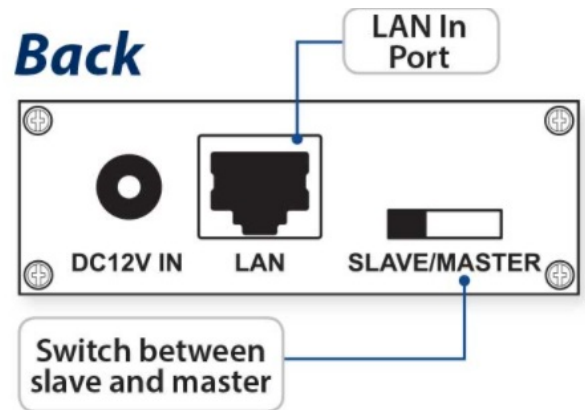
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Connections & Controls

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Installation

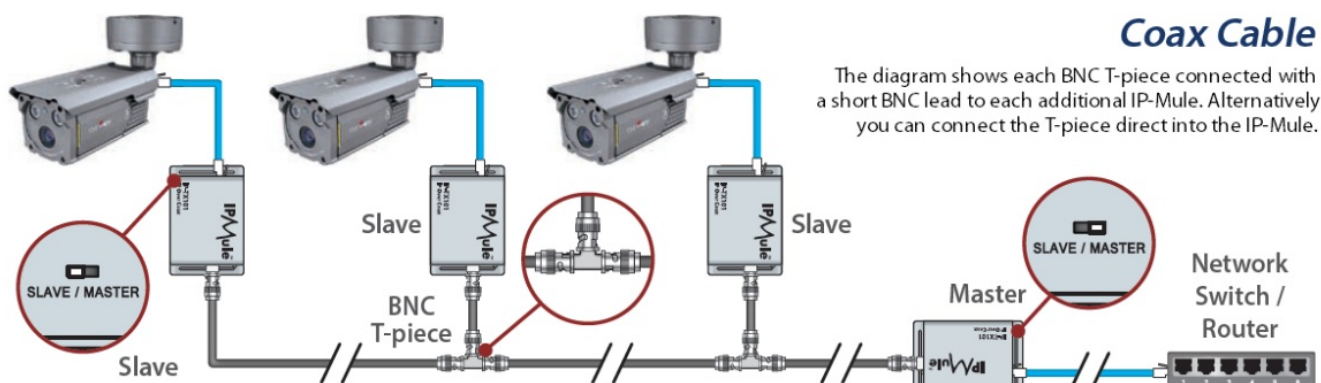
1. Set the switch on the IP-TX101 to 'Master' for the Mule connected to the network switch or router. Set the switch on the IP-TX101 to 'Slave' for the Mule connected to a camera.
2. Connect the coax cable, CAT5 or other two core cable to the IP-Mules. Multiple IP-Mules can be daisy chained together, connect using either;
 - Coax cable with a BNC T-piece connector
 - CAT5 or other multi core cable with a Zulug BNC adaptor like the CON380



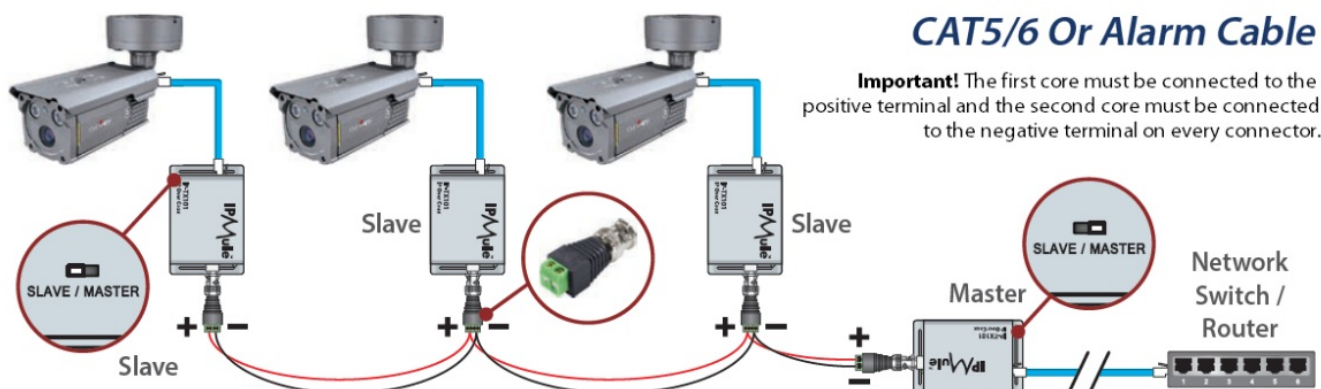
3. Power the IP-Mules from 12V DC (via the 2.1mm DC Socket), the current consumption is 250mA.
4. Connection LEDs;
 - Coaxial = Solid LED indicates there is a cable connection between a slave and master IP-Mule.
 - LAN = Flashing LED shows there is an IP device connected.

Connection Diagrams

Coax Cable



CAT5/6 Or Alarm Cable



Transmission Distances

	Coax - RG59	CAT5 - CAT6	Telephone Wire	Alarm Cable
300m	100 Mbps	78 Mbps	65 Mbps	60 Mbps
600m	90 Mbps	65 Mbps	55 Mbps	50 Mbps
1200m	78 Mbps	60 Mbps	35 Mbps	35 Mbps
1500m	50 Mbps	40 Mbps	25 Mbps	25 Mbps
2000m	30 Mbps	25 Mbps	25 Mbps	10 Mbps

Specification

Video In Connection	RJ45 Socket
Video In Cable Length	100m Max
Video Out Connection	BNC Socket
Video Out Cable Length	2000m Max
Max Cameras Per Run	12
Power	12V DC (PSU Required)
Power Connection	2.1mm DC Socket
Current	250m
Working Temperature	-10°C ~ 55°C
Storage Temperature	-40°C ~ 70°C
Build	Aluminium
Dimensions	111 x 64 x 24mm

All specifications are approximate. System Q Ltd reserves the right to change product specifications or features without notice. Whilst every effort is made to ensure that these instructions are complete and accurate, System Q Ltd cannot be held responsible for any losses, no matter how they arise, from errors or omissions in these instructions, or the performance or non-performance of the equipment referred to.



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

Documents / Resources

	<p>IPMule IP-TX101 IP Down Co-ax Single Unit [pdf] User Guide IP-TX101, IP Down Co-ax Single Unit, IP-TX101 IP Down Co-ax Single Unit, IP Down Co-ax Al arm or Telephone Cable</p>
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References

- [CCTV Mule, take the donkey work out of fitting CCTV](#)
- [CCTV Mule, take the donkey work out of fitting CCTV](#)