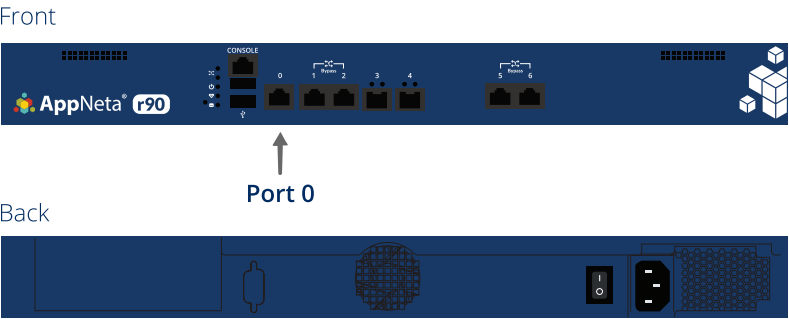


# Included in the box

- 1 x r90 Monitoring Point
- 2 x Ethernet cable
- 1 x "Connecting the r90" booklet
- 1 x power cable



# Connect the r90 to your network

These steps explain how to physically connect an r90 Monitoring Point to your network so that it can communicate with AppNeta. The complete setup procedure can be found at [techdocs.broadcom.com/appnetta-start](https://techdocs.broadcom.com/appnetta-start).

## 1 Connect to power





Connect the Monitoring Point to surge protected power using the power cable provided. If the power LED is off, press the power switch.

## 2 Connect to network

Connect **port 0** on the Monitoring Point to a switch on your network using an Ethernet cable. The network must provide connectivity to the APM service.

## 3 Check heartbeat

After two minutes, review the heartbeat LED .

 heartbeat	Status	Actions required
	Connected to APM	None. Successfully connected!
	Unconfigured	Configure Monitoring Point. See <a href="https://techdocs.broadcom.com/appnetta-empsetup">techdocs.broadcom.com/appnetta-empsetup</a>
	Can't connect to APM	Troubleshoot connection. See <a href="https://techdocs.broadcom.com/appnetta-troubleshoot">techdocs.broadcom.com/appnetta-troubleshoot</a>

## Optional connections

Additional connections are available if you want to use other device features.

### Connect to a mirror (SPAN) port

If you plan to use **1Gbps** Usage monitoring, connect **port 5** on the Monitoring Point to a port on your switch that mirrors the switch's uplink traffic using an Ethernet cable. For cabling to switches that do not provide port mirroring, use inline Usage monitoring. See [techdocs.broadcom.com/appneta-ucable](https://techdocs.broadcom.com/appneta-ucable) for details.

If you plan to use **10Gbps** Usage monitoring, connect **port 3** on the Monitoring Point to a port on your switch that mirrors the switch's uplink traffic using the appropriate cable and SFP+ module (copper or fiber).

### Connect to the network (10Gbps Delivery/Experience monitoring)

If you plan to use 10Gbps Delivery/Experience monitoring, connect **port 4** on the Monitoring Point to a switch on your network using the appropriate cable and SFP+ module (copper or fiber).

## Need more help?

Further resources are available if you need them:

Full documentation	<a href="https://techdocs.broadcom.com/appneta">techdocs.broadcom.com/appneta</a>
Monitoring Point setup	<a href="https://techdocs.broadcom.com/appneta-empsetup">techdocs.broadcom.com/appneta-empsetup</a>
r90 specifications	<a href="https://techdocs.broadcom.com/appneta-r90">techdocs.broadcom.com/appneta-r90</a>
Troubleshooting information	<a href="https://techdocs.broadcom.com/appneta-trouble-shoot">techdocs.broadcom.com/appneta-trouble-shoot</a>
Broadcom support	<a href="https://support.broadcom.com">support.broadcom.com</a> 1 800 225 5224 Hours: 9am - 9pm ET M-F <a href="https://support.broadcom.com/group/ecx/contact-support">support.broadcom.com/group/ecx/contact-support</a>



# Connecting the **r90**