

QUICKSTART GUIDE



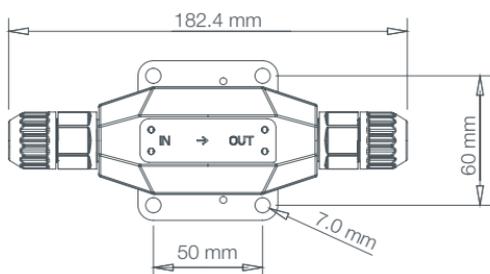
EXTERIOR ETHERNET EXTENDER  
**OUTREACH®**  
MAX XT

DIMENSIONS AND MOUNTING HOLES

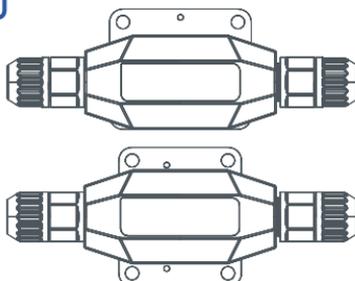
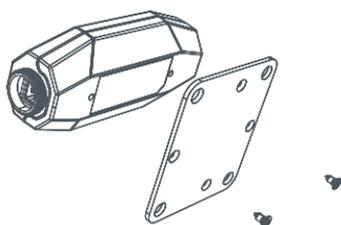
The mounting plate is 64mm x 74mm x 2mm.  
The enclosure is 100mm x 50mm x 30mm.

**WARNING** | Exposure to strong direct sunlight may heat the product beyond its operating specification, shade where possible.

**WARNING** | Do not mount the product within a second outdoor enclosure. Thermal insulation combined with solar heating may result in high internal temperatures.



FITTING THE MOUNTING PLATE



Attach the product to the mounting plate using the two screws supplied.

The plate can be attached in two different orientations to suit the installation.

*NB Ensure nothing can push on the connectors & that the cables are supported and not in tension. Mount the product horizontally where possible.*

ETHERNET & POE EXTENSION



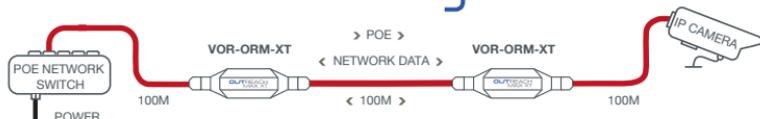
To extend Ethernet with POE, use OUTREACH Max XT to connect cable sections of up to 100 metres.

OUTREACH devices use standard Cat 5e/6 type Ethernet cable and RJ45 connectors, and auto-detect rate and crossover.

OUTREACH Max XT should be connected to POE-compatible equipment only.

Cat6 cable is recommended for devices requiring POE power levels of 20 watts or more.

INCREASING RANGE & POWER



Two or more OUTREACH Max XT devices may be used to create full-bandwidth connections over 200m, by joining multiple cable sections of up to 100 metres each.



OUTSOURCE 30 and OUTSOURCE 90 are 802.3af/at/bt compliant injectors and may be connected to add or increase power for maximum power and range extension.

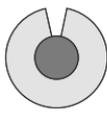
MAXIMUM RANGE FOR CAMERA POWER PER POE CLASS

POE SOURCE	4W	7W	13W	25W	40W	51W	62W	71W
IEEE 802.3af switch	300m	300m	200m	n/a	n/a	n/a	n/a	n/a
IEEE 802.3at switch	300m	300m	300m	300m	n/a	n/a	n/a	n/a
OUTSOURCE 30	300m	300m	300m	300m	n/a	n/a	n/a	n/a
OUTSOURCE 90	300m	300m	300m	300m	300m	250m	200m	200m

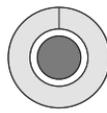
Ranges shown in italics can be higher using additional OUTREACH devices, but for ranges longer than 300m we recommend the use of Veracity LONGSPAN devices instead.

## CABLE GASKET SIZES

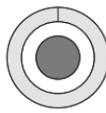
Check the cable gasket fit. For wider cables, the gasket can be removed and replaced. Two alternative sizes of gaskets are included.



TOO TIGHT  
X



GOOD FIT  
✓



TOO LOOSE  
X

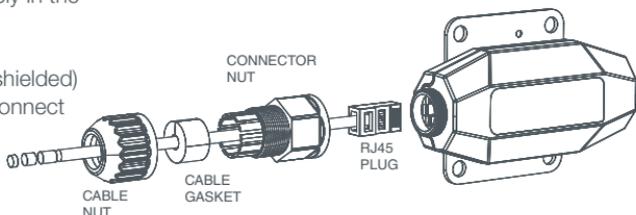


CABLE GASKET	CABLE DIAMETER	EXAMPLE CABLE
<b>Black (fitted)</b>	4.7 - 6.5mm	Cat 5e UTP, Cat 6 UTP
<b>Green</b>	6.0 - 7.8mm	Cat 5e, Cat 6 STP, Cat 6a
<b>Red</b>	7.0 - 9.0mm	Double Shielded, older Cat 6a

## FITTING CONNECTORS 1

Fit the cable cover parts over the cable, loosely assembled or separately in the order shown:

Fit a standard (shielded or unshielded) RJ45 plug to the cable, and connect it to the product.



OUTREACH Max XT should be connected to POE-compatible equipment **only**.

**NB** do not use strain reliefs or moulded connectors.

## FITTING CONNECTORS 2

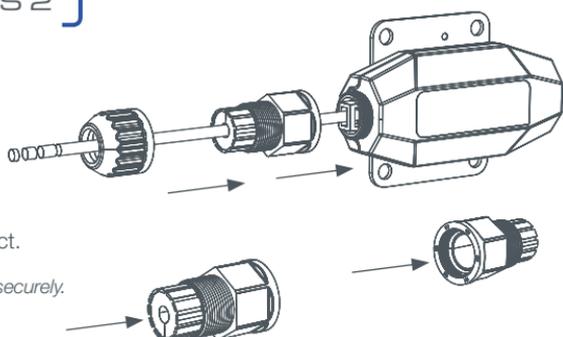
Connect the RJ45 plug to the product.

**NB** Check the RJ45 plug clicks into place securely.

Fit the cable gasket into the connector nut if it is not already in place.

**NB** Check the cable gasket is fully inserted.

**NB** Check the red O-ring is present.



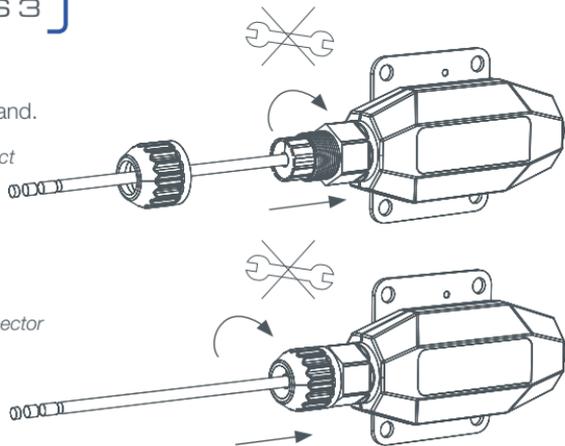
## FITTING CONNECTORS 3

Tighten the connector nut firmly by hand.

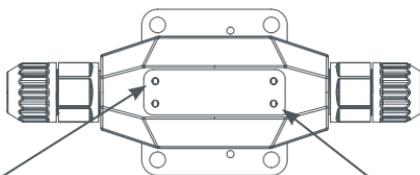
**NB** The connector nut should nearly contact the enclosure when fully tightened.

Tighten the cable nut firmly by hand.

**NB** The cable nut should contact the connector when tightened. The cable gasket should compress firmly around the cable without bulging or rippling.



## LED INDICATORS



POWER (Green)		LINK / Activity (Yellow)	
ON	Power good	ON	Link
OFF	No POE	FLASH	Activity

**NB** OUTREACH MAX XT is transparent to POE, and will power up when **both** the POE and powered device are connected.

## FCC CERTIFICATION

This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at their own expense.

### Surge Protection

All Veracity products have been independently tested to verify their resilience to the stringent immunity levels of international standards. Users should note that no electronic equipment can be guaranteed to be completely protected at levels beyond the defined standard; therefore product warranty cannot include damage to products which has been caused by surges exceeding those of the standards specified, for example lightning strike activity.

It is the user's responsibility to implement relevant surge protection measures, as appropriate to the installation. This may include the fitting of additional surge protection devices where required.

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Veracity's Authorised Representative in the EU (as required by EU law for CE marked goods) is: Comply Express Unipessoal Limitada, StartUp Madeira, EV141, Campus da Penteada, 9020 105 Funchal, Portugal.

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