



Installing a Trapeze Networks™ Model MP-620 Mobility Point™ Access Point

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This document provides basic indoor hardware installation instructions for MP access point model MP-620. The MP-620 is suitable for installation outdoors.

Qualified Service Personnel Warning



Warning! Installation must be performed by qualified service personnel only. Read and follow all warning notices and instructions marked on the product or included in the documentation. Before installing the product, read the rest of this document.

Waarschuwing! De installatie mag alleen worden uitgevoerd door bevoegd onderhoudspersoneel. Het is essentieel dat u kennis neemt van alle waarschuwingen en instructies aangebracht op het product zelf en/of opgenomen in de documentatie. Voordat u het product installeert, dient u dit document in zijn geheel te hebben gelezen.

Warnung! Die Installation darf nur von qualifiziertem Servicepersonal vorgenommen werden. Lesen und befolgen Sie alle Warnhinweise und -anleitungen auf dem Produkt bzw. in der Dokumentation. Lesen Sie vor Installation des Produkts den restlichen Teil dieses Dokuments.

Avertissement ! L'installation ne peut être effectuée que par un personnel qualifié. Lisez et suivez tous les messages d'avertissement et les instructions inscrits sur le produit ou inclus dans la documentation. Avant d'installer le produit, lisez le reste de ce document.

Attenzione! L'installazione deve essere effettuata unicamente da personale qualificato. Leggere e rispettare tutte le segnalazioni di attenzione e le istruzioni indicate sul prodotto o incluse nella documentazione. Prima d'installare il prodotto, leggere tutto il documento.

iAdvertencia! La instalación debe realizarse exclusivamente por parte de personal de servicio cualificado. Lea y siga todas las notas de advertencia e instrucciones en el producto o la documentación. Antes de instalar el producto deberá leer la parte restante del presente documento.

Advertência! A instalação dever ser realizada exclusivamente por pessoal de serviço qualificado. Leia e siga todas as notas de advertência e instruções no produto ou na documentação. Antes de instalar o produto deverá ler a parte restante do presente documento.

Varning! Installation får endast utföras av kvalificerad servicepersonal. Läs och följ alla varningsmeddelanden och instruktioner markerade på produkten eller inkluderade i dokumenteringen. Innan produkten installeras skall resten av dessa dokument läsas.

Advarsel! Installation må kun gennemføres af faglært servicepersonale. Læs, og følg alle de advarselsmeddelelser og anvisninger, der er anført på produktet eller i dokumentationen. Læs resten af dette dokument før installation af produktet.

Advarsel! Installasjon skal kun utføres av kvalifisert service personell. Les og følg alle varsels meldinger og instruksjons merkinger på produktet og i veiledningen. Les resten av denne veiledningen før produktet installeres.



Varoitus! Installatie dient uitsluitend plaats te vinden door bevoegde monteurs. Lees alle waarschuwingen en instructies die op het product zijn aangegeven of in de documentatie zijn opgenomen, en volg deze op. Lees voordat u het product installeert eerst de rest van dit document.

Viðvörðun! Aðeins hæfir þjónustufulltrúar mega sinna uppsetningu tækjanna. Lesið og fylgið öllum viðvörðunum og leiðbeiningum í þessum gögnum. Lesið restina af þessum gögnum fyrir uppsetningu.

Προσοχή! Η εγκατάσταση πρέπει να εκτελείται μόνο από εγκεκριμένο προσωπικό συντήρησης. Διαβάστε και ακολουθείστε όλες τις προειδοποιήσεις και οδηγίες που αναγράφονται στο προϊόν ή που περιλαμβάνονται στην τεκμηρίωση. Πριν προβείτε στην εγκατάσταση του προϊόντος, διαβάστε το υπόλοιπο έγγραφο.

경고! 공인 서비스 기사만 설치 작업을 수행할 수 있습니다. 제품에 표시되어 있거나 설명서에 포함된 모든 경고 문구 및 지침을 읽어 보시고 준수하십시오. 제품을 설치하기 전에 본 설명서를 전체적으로 읽어 보시기 바랍니다.

Warning! 設置は、資格を持ったサービス要員ののみが行えます。製品に付いているあるいはドキュメントに含まれている全ての警告注意を読み、それに従ってください。製品を設置する前に、本ドキュメントの残りをお読みください。

警告！ 安装工作只能由合格服务人员进行。
请阅读且遵照所有在产品上或者在文件内标记的警告通知、说明。
在安装产品之前，请阅读这份文件的剩余部分。

警告！ 安裝工作只能由合格服務人員進行。
請閱讀且遵照所有在產品上或者在文件內標記的警告通知、說明。
在安裝產品之前，請閱讀這份文件的剩餘部分。

Внимание! Монтаж должен производить только квалифицированный обслуживающий персонал. Прочтите и выполняйте все предупредительные примечания и инструкции, нанесенные на изделие или включенные в документацию. Перед монтажом изделия прочтите данный документ до конца.

הרהזא ! דבלב ךמסומ יאנכט ידי לע עצבתת הנקתהה.
תונמוסמה תוארוההו תורהזאה לכל מאתהב לעפו ארק
רצומה תנקתה ינפל ,ואולמב הז ךמסמ ארק. דועיתב תועיפומ וא רצומה לע.

تحذير! يجب أن يقوم بأعمال التركيب أفراد الصيانة المؤهلين دون غيرهم. اقرأ واتبع كافة الملاحظات والإرشادات التحذيرية الموضحة على المنتج أو المدرجة في الوثائق المصاحبة. اقرأ الأجزاء المتبقية من المستند قبل تركيب المنتج.

For more information about MP installation as well as safety and installation requirements, see the following:

- *Trapeze MP-620 Installation Guide*
- *Trapeze Regulatory Information*

Mount the MP-620

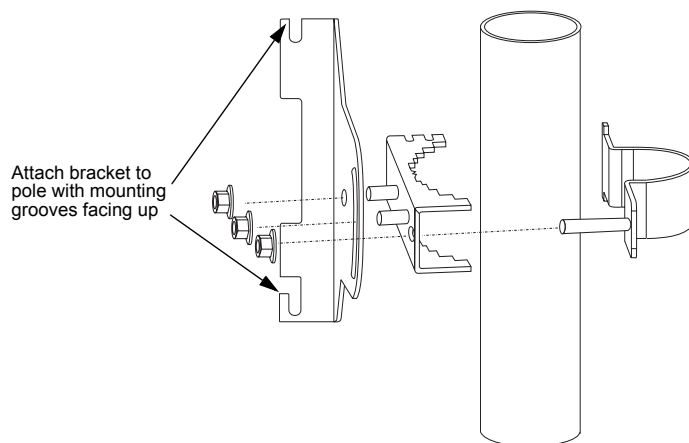
You can mount the MP-620 on a pole or on a wall using the supplied hardware.

Using the Pole-Mounting Bracket

Perform the following steps to mount the unit to a 1.5 to 2 inch diameter steel pole or tube using the mounting bracket:

- 1 Always attach the bracket to a pole with the open end of the mounting grooves facing up.
- 2 Place the U-shaped part of the bracket around the pole and tighten the securing nut just enough to hold the bracket to the pole. (The bracket may need to be rotated around the pole during the alignment process.)

Figure 1. Attaching the Bracket to the Pole

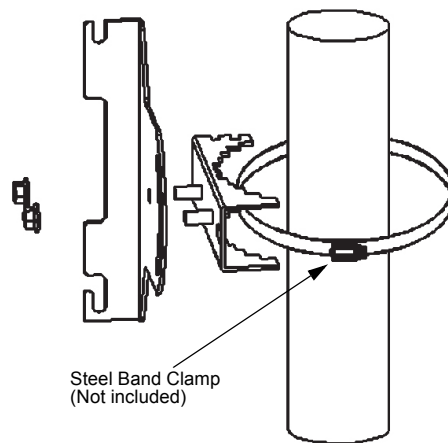


- 3 Use the included nuts to tightly secure the MP-620 to the bracket.

Mounting on Larger Diameter Poles

In addition, there is a method for attaching the pole-mounting bracket to a pole that is 2 to 5 inches in diameter using an adjustable steel band clamp (not included in the kit). A steel band clamp up to 0.5 inch (1.27 cm) wide can be threaded through the main part of the bracket to secure it to a larger diameter pole without using the U-shaped part of the bracket. This method is illustrated in the following figure.

Figure 2. Attaching the Bracket Using a Steel Band Clamp

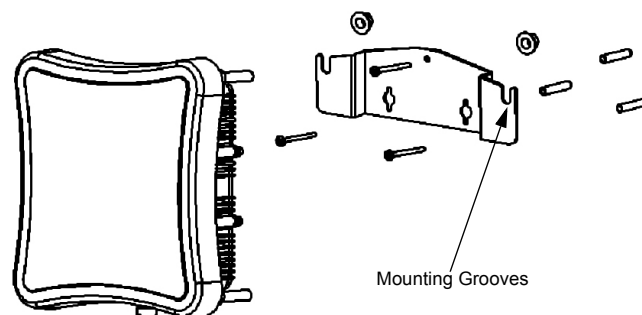


Using the Wall-Mounting Bracket

Perform the following steps to mount the unit to a wall using the wall-mounting bracket:

- 1 Always attach the bracket to a wall with the open end of the mounting grooves facing up (see following figure).

Figure 3. Wall-Mounting Bracket



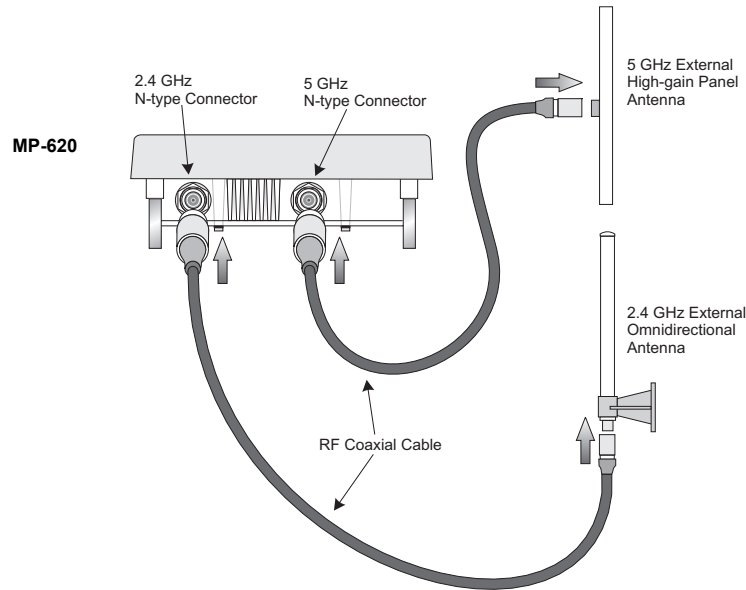
- 2 Position the bracket in the intended location and mark the position of the three mounting screw holes.
- 3 Drill three holes in the wall that match the screws and wall plugs included in the bracket kit, then secure the bracket to the wall.
- 4 Use the included nuts to tightly secure the MP-620 to the bracket.

Connect External Antenna(s)

- 1 Mount the external antenna to the same supporting structure as the MP-620, within 3 m (10 ft) distance, using the bracket supplied in the antenna package.
- 2 Connect the antenna to the MP-620's N-type connector using the RF coaxial cable provided in the antenna package.

- 3 Apply weatherproofing tape to the antenna connectors to help prevent water entering the connectors.

Figure 4. Connecting External Antennas to the MP-620



Connect Cables to the MP-620

- 1 Attach the Ethernet cable to the Ethernet port on the MP-620.



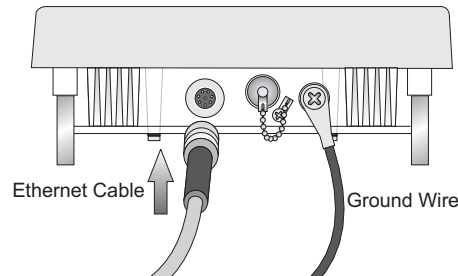
Note. The Ethernet cable included with the package is 30 m (100 ft) long. To wire a longer cable (maximum 100 m, 325 ft), use the connector pinout information in the Installation Guide.

- 2 For extra protection against rain or moisture, apply weatherproofing tape (not included) around the Ethernet connector.
- 3 Be sure to ground the unit with an appropriate grounding wire (not included) by attaching it to the grounding screw on the unit.



Caution! Be sure that grounding is available and that it meets local and national electrical codes. For additional lightning protection, use lightning rods, lightning arrestors, or surge suppressors.

Figure 5. Attaching an Ethernet Cable to the MP-620



Connect the Power Injector



Caution! Do not install the power injector outdoors. The unit is for indoor installation only.



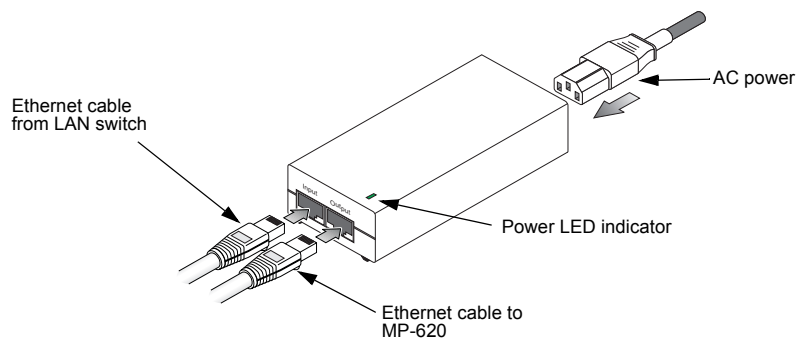
Note. The MP-620's Ethernet port does not support Power over Ethernet (PoE) based on the IEEE 802.3af standard. Do not try to power the unit by connecting it directly to a network switch that provides IEEE 802.3af PoE. Always connect the unit to the included power injector module.

To connect the MP-620 to a power source:

- 1** Connect the Ethernet cable from the MP-620 to the RJ-45 port labeled “Output” on the power injector.
- 2** Connect a straight-through unshielded twisted-pair (UTP) cable from a local LAN switch to the RJ-45 port labeled “Input” on the power injector. Use Category 5 or better UTP cable for 10/100BASE-TX connections.



Note. The RJ-45 port on the power injector is an MDI port. If connecting directly to a computer for testing the link, use a crossover cable.

Figure 6. Connecting Cables to the Power Injector

- 3 Insert the power cable plug directly into the standard AC receptacle on the power injector.
- 4 Plug the other end of the power cable into a grounded, 3-pin socket, AC power source.



Note. For International use, you may need to change the AC line cord. You must use a line cord set that has been approved for the receptacle type in your country.

- 5 Check the LED on top of the power injector to be sure that power is being supplied to the MP-620 through the Ethernet connection.

Configure the MP-620

To configure the channels, power settings, and other MP parameters, see the following:

- [*Trapeze Mobility System Software Quick Start Guide*](#)
- “Configuring MP Access Points” chapter in the [*Trapeze Mobility System Software Configuration Guide*](#)

