

HP MSR93X (JG704A) Router Installation Instructions and Regulatory Compliance Information

1 Antenna installation instructions

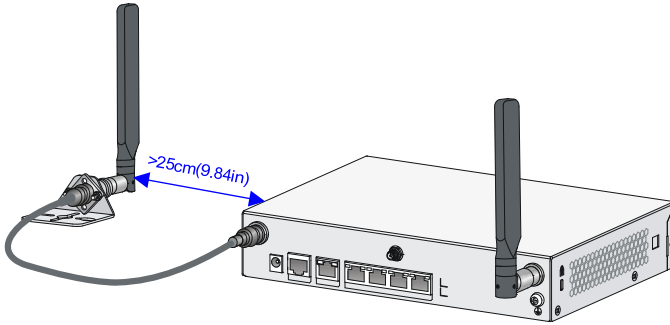
When you install a 4G antenna on a router, follow these guidelines:

- Ensure a minimum distance of 25 cm (9.84 in) between the antenna and any other antenna on the router.
- Ensure a minimum distance of 25 cm (9.84 in) between the 4G antenna (when an extender cable is used) and the router.

Only one 4G extender cable is provided with the router. If you want to install two 4G extender cables, you can purchase them yourself. [Table 1](#) lists 4G extender cables provided by HP. You can also use 4G extender cables from other vendors, but for any resulting harmful consequences, HP will assume no liability.

Table 1 HP 3G/4G extender cables

Product code	Product description
JG522A	HP MSR 3G/4G 2.8m Extender Cable
JG666A	HP MSR 3G/4G 6m Extender Cable
JG667A	HP MSR 3G/4G 15m Extender Cable



2 Regulatory Compliance Information

2.1 Regulatory compliance standards

Table 2 Regulatory compliance standards

Discipline	Standards
EMC	FCC Part 15 (CFR 47) CLASS B
	ICES-003 CLASS B
	CISPR 22 CLASS B
Safety	UL 60950-1
	CAN/CSA C22.2 No 60950-1
RF	FCC Bulletin OET-65C
	FCC part22
	FCC part24
	FCC part27
	RSS-210
	RSS-GEN
	RSS-132
RSS-133	
RSS-139	

2.2 USA regulatory compliance

FCC Part 15

US Federal Communications Commission (FCC) EMC Compliance

This product 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 in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/ TV technician for help.

This product complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation.

If the customer modifies the equipment without the authorization of HP, which directly or indirectly contribute to the equipment incompliance with FCC requirements for Class B digital devices, HP is not liable for such interference problems and the expenses incurred therefrom shall be covered by the customers.

RF Requirements

1. RF exposure Hazard Warning

This device generates and radiates radio-frequency energy. To ensure compliance with the requirements of FCC radio-frequency exposure, a

minimum body to antenna distance of 20cm (8 inch) must be maintained when the device is installed and operated.

2. RF Frequency Requirements

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter.

This device is for indoor use only when it is operated at 5.15 to 5.25GHz frequency range.

High power radars are allocated as primary users of the 5.25 to 5.35GHz and 5.65 to 5.85GHz bands. These radar stations can cause interference with and /or damage to this device.

Antennas

Only use the supplied antenna. Unauthorized antennas, modifications, or changes to the antennas could violate FCC regulations and void the user's authority to operate the equipment.

2.3 Canada regulatory compliance

ICES-003

This Class B digital apparatus complies with Canadian Standard ICES-003.

Cet appareil numérique de la classe Best conforme à la norme NMB-003 du Canada.

RF Compliance

This product complies with RSS-210 of Industry Canada.

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

L'utilisation de ce dispositif est autorisée seulement aux conditions suivantes: (1) il ne doit pas produire de brouillage et (2) l'utilisateur du dispositif doit être prêt à accepter tout brouillage radioélectrique reçu, même si ce brouillage est susceptible de compromettre le fonctionnement du dispositif.

The term "IC" before the equipment certification number only signifies that the Industry Canada technical specifications were met.

To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (EIRP) is not more than that required for successful communication. To prevent radio interference to the licensed service, this device is intended to be operated indoors and away from windows to provide maximum shielding. Equipment (or its transmit antenna) that is installed outdoors is subject to licensing.

Pour empêcher que cet appareil cause du brouillage au service faisant l'objet d'une licence, il doit être utilisé à l'intérieur et devrait être placé loin des fenêtres afin de fournir un écran de blindage maximal. Si le matériel (ou son antenne d'émission) est installé à l'extérieur, il doit faire l'objet d'une licence.

This device must not be co-located or operated in conjunction with any other unauthorized antenna or transmitter.

2.4 EN55022, CISPR22 compliance

This product complies with the requirements of EN55022, AS/NZS CISPR 22, CISPR22 for Class B Information Technology Equipment (ITE).

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