MU 11-X/...

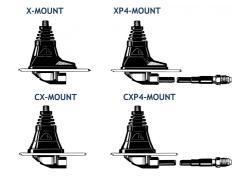
Collinear 4 dB Mobile Antenna for the 450 MHz Band

DESCRIPTION

- Encapsulated phasing coil.
- Black-chromed, stainless steel whip.
- Choice between general purpose tunable models.
- Stainless steel X-mount with M6-thread whip-fastening system.
- Simple mounting exclusively with access from the outside.
- Models available with X-mount (oblong) and CX-mount (circular).
- Choice between two connection principles:
 - X-mount: FME-connection (supplied without cable).
 - XP4-mount: Permanently attached 4 m cable terminated with FMEconnector.



All whips are compatible with all mounts.



ORDERING DESIGNATIONS

ORDERING DESIGNATIONS				
X-MOUNT (OBLONG) WITH FME	PROCUCT NO.	CX-MOUNT (CIRCULAR) WITH FME	PRODUCT NO.	[MHZ]
Models for general application - tunable with adjustment disc:				TUNING
MU 11-X/s	130000813	MU 11-CX/s	130000814	380410
MU 11-X/f	130000795	MU 11-CX/f	130000796	406430
MU 11-X/I	130000803	MU 11-CX/I	130001483	420450
MU 11-X/h	130000799	MU 11-CX/h	130000800	440470
Models for cellular systems - pretuned, without adjustment disc:				FREQUENCY
MU 11- X/CEL4	130000818	MU 11- CX/CEL4	130001487	414 - 430
MU 11- X/CEL3	130000819	MU 11- CX/CEL3	130001486	425 - 440
MU 11- X/CEL2	130001478	MU 11- CX/CEL2	130001485	440 - 455
MU 11- X/CEL1	130000806	MU 11- CX/CEL1	130001484	450 - 470
XP4-MOUNT (OBLONG) WITH 4 M CABLE AND FME-CONN.	PROCUCT NO.	CXP4-MOUNT (CIRCULAR) WITH 4 M CABLE AND FME-CONN.	PRODUCT NO.	[MHZ]
Models for general application -				
Models for gen	eral application -	tunable with adju	ıstment disc:	TUNING
MU 11-XP4/s	eral application - 130000816	tunable with adju	ustment disc: 130000817	TUNING 380410
MU 11-XP4/s	130000816	MU 11-CXP4/s	130000817	380410
MU 11-XP4/s MU 11-XP4/f	130000816 130000797	MU 11-CXP4/s MU 11-CXP4/f	130000817 130000798	380410 406430
MU 11-XP4/s MU 11-XP4/f MU 11-XP4/l MU 11-XP4/h	130000816 130000797 130000804 130000801	MU 11-CXP4/s MU 11-CXP4/f MU 11-CXP4/I	130000817 130000798 130000805 130000802	380410 406430 420450
MU 11-XP4/s MU 11-XP4/f MU 11-XP4/l MU 11-XP4/h	130000816 130000797 130000804 130000801	MU 11-CXP4/s MU 11-CXP4/f MU 11-CXP4/l MU 11-CXP4/h	130000817 130000798 130000805 130000802	380410 406430 420450 440470

CXP4/CEL2

CXP4/CEL1

130000815

130000808

440 - 455

450 - 470

MU 11-

MU 11-

130000810

130000807

MU 11-

XP4/CEL2

MU 11-

XP4/CEL1



SPECIFICATIONS

ELECTRICAL			
MODEL	MU 11-X/		
ANTENNA TYPE	Collinear stainless steel whip mobile antenna		
FREQUENCY	450 MHz-band covered by four models		
IMPEDANCE	Nom. 50 Ω		
POLARIZATION	Vertical		
GAIN	4 dB (acc. to EIA RS-329-1)		
BANDWIDTH	≥ 20 MHz @ SWR ≤ 1.5		
SWR	≤ 1.3 @ f. res.		
MAX. POWER	100 W		
MECHANICAL			
MATERIALS	Whip: Black-chromed stainless steel and brass Durable plastics Mount: Black-chromed brass Weather- and shockproof plastics Stainless steel		
RECOMMENDED INSTALLATION TORQUE	4 ± 1 Nm		
COLOUR	Black		
HEIGHT	Approx. 60 cm (dep. on freq.)		
WEIGHT	X-version: Approx. 160 g XP4-version: Approx. 300 g		
MOUNTING	18 mm dia. hole		

INSTALLATION

This antenna can be mounted anywhere on the car, however, roof top mounting is always recommended.

The oblong X-mount can be mounted on the often very narrow strip on the rear wing between the trunk lid and the side of the car.

Mounting can take place exclusively with access from the outside when drilling an $\ensuremath{\,}^{}$

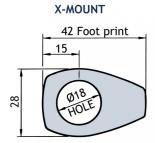
18 mm dia. hole. Mounting can take place from the inside by drilling a 14 mm dia. hole. When mounting in a 14 mm dia. hole, remove the bottom plastic ring of the packing gasket with a sharp cutter.

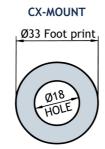
When cleaning the car in car-washing machines, remove the whip using a spanner,

size 9 mm. After wash, refit the whip and tighten it lightly with the spanner.

As the mounts are internally equipped with a bendable section, the antennas can always be adjusted to an upright position independent of the tilt angle of the installation spot.

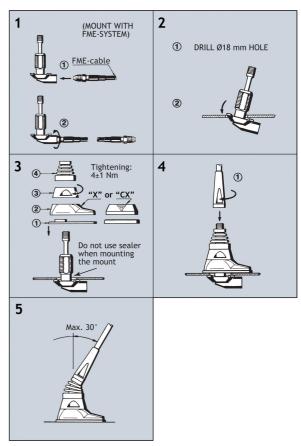
1. INSTALLATION DIMENSIONS





Build- in depth: 11 mm

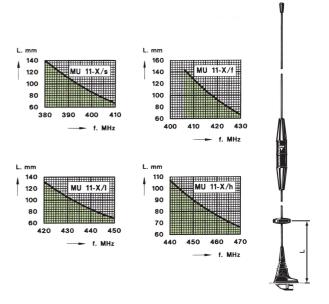
2. INSTALLATION STEPS



Do not use sealer on rubber gasket or other places

3. TUNING

The tunable models are tuned to the desired frequency within the indicated tuning range by positioning the adjustment disc according to the diagrams below





PROCOM France S.A.R.L. se réserve le droit d'améliorer les spécifications sans préavis. 03/01/12

