

Colinear 4 dB Mobile Antenna for the 450 MHz Band

DESCRIPTION

- > 4 dB mobile antenna with colinear, stainless steel whip.
- Stainless steel X-mount with M6-thread whip-fastening system.
- Models available with X-mount (oblong), CX-mount (circular), XG-Combi mount (oblong) with GPS and MM-mount (magnetic).
- Choice between mounts with FME-connection (without cable) or models with permanently attached 4 m cable with FME connector.
- Choose between general purpose tunable models and permanently tuned models for cellular systems.
- > Easily removable whip for car wash.
- > GPS-antenna for fixed installations.
 - > Full hemispherical coverage.
 - > Built-in high-gain, low-noise amplifier.
 - > Right-Hand Circular Polarization (RHCP).
 - > 2.85 V 5 V supply voltage (typical 3 V).

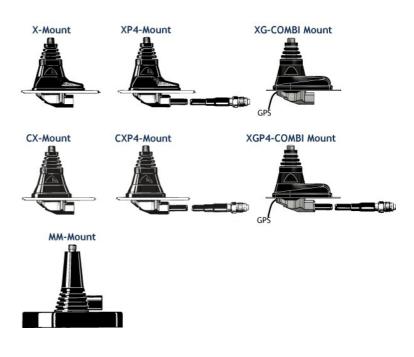


SPECIFICATIONS

Electrical				
Model	MU 4-X/, MU 4-CX/, MU 4-XG/, MU 4-MM/			
Frequency	Models within 380 - 470 MHz			
Antenna Type	Collinear stainless steel mobile whip antenna			
Max. Input Power	100 W			
Polarisation	Vertical			
Impedance	50 Ω			
VSWR	≤ 1.3:1 @ f. res.			
Bandwidth	> 15 MHz @ VSWR < 1.5 > 30 MHz @ VSWR < 2.5			
Gain (EIA RS-329-1)	4 dB			

Mechanical				
Materials	Whip: Black-chromed stainless steel Black-chromed brass Mount: Black-chromed brass Weather- and shockproof plastics Stainless steel			
Installation Torque	4 ±1 Nm			
Colour	Black			
Height	Approx. 590 mm / 23.23 in. (dep. of freq.)			
Weight	X-version : Approx. 120 g / 0.26 lb. XP4-version : Approx. 290 g / 0.64 lb. CX-version : Approx. 155 g / 0.34 lb. CXP4-version : Approx. 290 g / 0.64 lb. XG-version : Approx. 170 g / 0.37 lb. XGP4-version : Approx. 310 g / 0.68 lb. MM-version : Approx. 380 g / 0.84 lb.			

THE WHIP IS COMPATIBLE WITH ALL BELOW MOUNTS





ORDERING

Model	Product No.	Description	Frequency
MU 4-X/s	130000952	X-mount (oblong) with FME	380 - 410 MHz
MU 4-X/f	130000922	X-mount (oblong) with FME	406 - 430 MHz
MU 4-X/I	130000933	X-mount (oblong) with FME	420450 MHz
MU 4-X/h	130000927	X-mount (oblong) with FME	440470 MHz
MU 4-X/CEL1	130000942	X-mount (oblong) with FME	450 - 470 MHz
MU 4-X/CEL2	130000941	X-mount (oblong) with FME	440 - 455 MHz
MU 4-X/CEL3	130000944	X-mount (oblong) with FME	425 - 440 MHz
MU 4-X/CEL4	130000951	X-mount (oblong) with FME	414 - 430 MHz
MU 4-X/CEL5	130001610	X-mount (oblong) with FME	380 - 410 MHz
MU 4-CX/s	130000953	CX-mount (circular) with FME	380410 MHz
MU 4-CX/f	130000923	CX-mount (circular) with FME	406430 MHz
MU 4-CX/I	130000934	CX-mount (circular) with FME	420450 MHz
MU 4-CX/h	130000928	CX-mount (circular) with FME	440470 MHz
MU 4-CX/CEL5	130001612	CX-mount (circular) with FME	380 - 410 MHz
MU 4-CX/CEL4	130000937	CX-mount (circular) with FME	414 - 430 MHz
MU 4-CX/CEL3	130000940	CX-mount (circular) with FME	425 - 440 MHz
MU 4-CX/CEL2	130000938	CX-mount (circular) with FME	440 - 455 MHz
MU 4-CX/CEL1	130000943	CX-mount (circular) with FME	450 - 470 MHz
MU 4-XP4/s	130000954	XP4-mount (oblong) with 4 m cable and FME-connector	380410 MHz
MU 4-XP4/f	130000924	XP4-mount (oblong) with 4 m cable and FME-connector	406430 MHz
MU 4-XP4/I	130000935	XP4-mount (oblong) with 4 m cable and FME-connector	420450 MHz
MU 4-XP4/h	130000929	XP4-mount (oblong) with 4 m cable and FME-connector	440470 MHz
MU 4-XP4/CEL5	130001611	XP4-mount (oblong) with 4 m cable and FME-connector	380 - 410 MHz
MU 4-XP4/CEL4	130000950	XP4-mount (oblong) with 4 m cable and FME-connector	414 - 430 MHz
MU 4-XP4/CEL3	130001474	XP4-mount (oblong) with 4 m cable and FME-connector	425 - 440 MHz
MU 4-XP4/CEL2	130000947	XP4-mount (oblong) with 4 m cable and FME-connector	440 - 455 MHz
MU 4-XP4/CEL1	130000945	XP4-mount (oblong) with 4 m cable and FME-connector	450 - 470 MHz
MU 4-CXP4/s	130000955	CXP4-mount (circular) with 4 m cable and FME-connector	380410 MHz
MU 4-CXP4/f	130000925	CXP4-mount (circular) with 4 m cable and FME-connector	406430 MHz
MU 4-CXP4/I	130000936	CXP4-mount (circular) with 4 m cable and FME-connector	420450 MHz
MU 4-CXP4/h	130000930	CXP4-mount (circular) with 4 m cable and FME-connector	440470 MHz
MU 4-CXP4/ CEL5	130001613	CXP4-mount (circular) with 4 m cable and FME-connector CXP4-mount (circular) with 4 m	380 - 410 MHz
MU 4-CXP4/CEL4	130000949	cable and FME-connector CXP4-mount (circular) with 4 m	414 - 430 MHz
MU 4-CXP4/CEL3	130000948	cable and FME-connector CXP4-mount (circular) with 4 m	425 - 440 MHz
MU 4-CXP4/CEL2	130000939	cable and FME-connector CXP4-mount (circular) with 4 m	440 - 455 MHz
MU 4-CXP4/CEL1	130000946	cable and FME-connector XG-COMBI mount (oblong)	450 - 470 MHz
MU 4-XG/s	130002033	with FME XG-COMBI mount (oblong)	380 - 410 MHz
MU 4-XG/f	130002034	with FME XG-COMBI mount (oblong)	406 - 430 MHz
MU 4-XG/l	130002093	with FME XG-COMBI mount (oblong)	420 - 450 MHz
MU 4-XG/h	130002094	with FME XG-COMBI mount (oblong)	440 - 470 MHz 380 - 410 MHz
MU 4-XG/CEL5 MU 4-XG/CEL4	130002099	with FME XG-COMBI mount (oblong)	414 - 430 MHz
MU 4-XG/CEL3	130002098	with FME XG-COMBI mount (oblong)	425 - 440 MHz
MO TAMOLLO	100002037	with FME	120 770 WII IZ



Model	Product No.	Description	Frequency
MU 4-XG/CEL2	130002096	XG-COMBI mount (oblong) with FME	440 - 455 MHz
MU 4-XG/CEL1	130002095	XG-COMBI mount (oblong) with FME	450 - 470 MHz
MU 4-XGP4/s	130002035	XGP4-COMBI mount (oblong) with 4 m cable and FME-conn.	380 - 410 MHz
MU 4-XGP4/f	130002036	XGP4-COMBI mount (oblong) with 4 m cable and FME-conn.	406 - 430 MHz
MU 4-XGP4/CEL2	130002101	XGP4-COMBI mount (oblong) with 4 m cable and FME-conn.	440 - 455 MHz
MU 4-XGP4/CEL1	130002100	XGP4-COMBI mount (oblong) with 4 m cable and FME-conn.	450 - 470 MHz
MU 4-MM/s	130000916	MM-mount with FME	380 - 410 MHz
MU 4-MM/f	130000909	MM-mount with FME	406 - 430 MHz
MU 4-MM/I	130000915	MM-mount with FME	420 - 450 MHz
MU 4-MM/h	130000914	MM-mount with FME	440 - 470 MHz
MU 4-MM/CEL5	130001614	MM-mount with FME	380 - 410 MHz
MU 4-MM/CEL4	130000912	MM-mount with FME	414 - 430 MHz
MU 4-MM/CEL3	130000911	MM-mount with FME	425 - 440 MHz
MU 4-MM/CEL2	130000910	MM-mount with FME	440 - 455 MHz
MU 4-MM/CEL1	130000913	MM-mount with FME	450 - 470 MHz

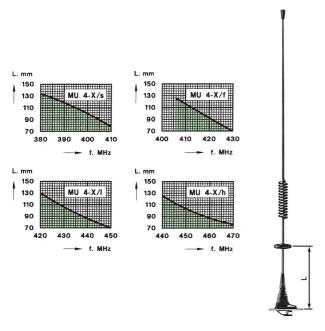


INSTALLATION AND ASSEMBLY INSTRUCTIONS

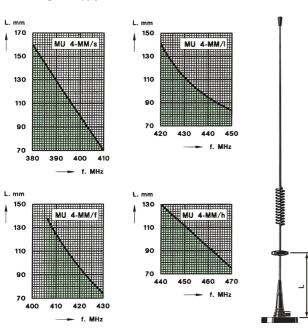
Please refer to the data sheet of each individual mount to find the installation and assembly instructions.

TUNING

The diagrams apply to all models in the series



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PLEASE NOTE

For safety reasons: When using the MU 4-MM, car speed must not exceed 120 km/h.



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