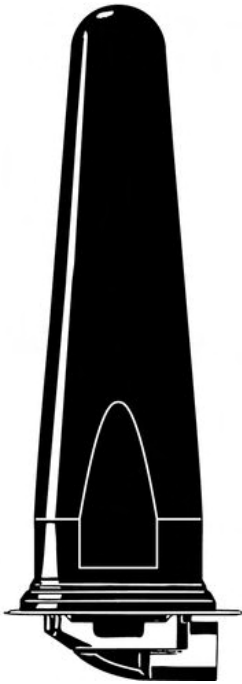


MU 901/1801-LX-SP

Dual-frequency Mobile Antenna for the 900 MHz and 1800 MHz Bands

DESCRIPTION

- Dual-frequency antenna – two bands – one antenna!
- Covering both EGSM/NMT-900 and DCS-1800/PCN.
- For direct use with:
 - an EGSM/DCS-1800/PCN mobile phone (single or dual-band) or
 - an EGSM and a DCS-1800/PCN mobile phone (requires diplexer, type DIPX 1000/1550).
- Stainless steel LX-mount.
- Especially suited for roof-mounting.
- Provided with FME-connection (supplied without cable).
- Installation with access from the outside only (requiring an 18 mm dia. hole).



ORDERING DESIGNATIONS

TYPE	PRODUCT NO.
MU 901/1801-LX-SP	130001343

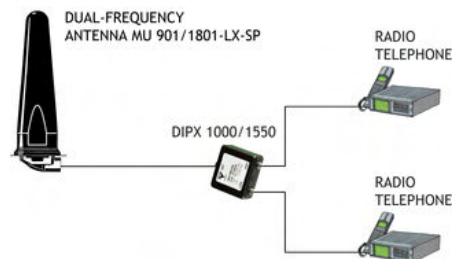
SPECIFICATIONS

ELECTRICAL	
MODEL	MU 901/1801-LX-SP
ANTENNA TYPE	Dual-frequency mobile antenna
FREQUENCY	880-960 MHz (EGSM/NMT-900) and 1710-1880 MHz (DCS-1800/PCN)
IMPEDANCE	Nom. 50 Ω
POLARIZATION	Vertical
GAIN	Approx. 0 dB on both bands (acc. to EIA RS-329-1)
BANDWIDTH	900 MHz: > 40 MHz @ SWR \leq 1.5 1800 MHz: Approx. 200 MHz @ SWR \leq 2.0 (typ.)
SWR	\leq 2.0 @ f. res.
MAX. POWER	25 W
MECHANICAL	
MATERIALS	Whip: Black cover POM Mount: Stainless steel Brass Weather- and shockproof plastics
RECOMMENDED INSTALLATION TORQUE	3.5 Nm max.
CABLE	FME-cable to be ordered separately
COLOUR	Black
HEIGHT	100 mm
WEIGHT	Approx. 64 g
MOUNTING	18 mm dia. hole

OPERATION USING A DIPLEXER

In case of operating two transceivers on one antenna at the same time, a diplexer, type DIPX 1000/1550, is necessary to complete the system. The tasks of the diplexer are to protect the two receiver inputs from being destroyed by the transmitter in the contrary band, and to ensure a low-loss path between the transceiver and the antenna, which is not loaded by the other branch. For further details please see the separate data sheet on the DIPX 1000/1550. The diplexer fully covers both bands and, consequently, tuning to specific frequencies is not required.

COUPLING DIAGRAM



INSTALLATION

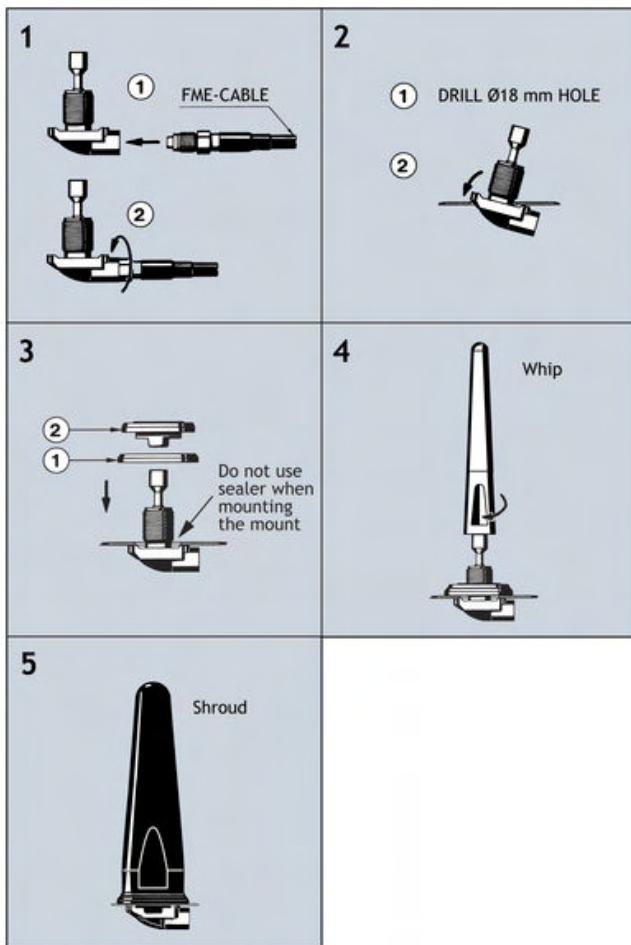
The LX-mount is especially suited for roof-mounting. It is recommended to mount the antenna at the centre of the roof to ensure the best omnidirectional coverage. Mounting can take place in an 18 mm dia. hole with access from the outside only.

1. INSTALLATION DIMENSIONS:

LX-SP-MOUNT



2. INSTALLATION STEPS:



Do not use sealer on rubber gasket or other places.

PLEASE NOTE: When tightening the whip (see picture 4), special care must be taken to keep the spanner in the correct position.

3. TUNING:

The antenna is delivered factory-tuned and requires no further tuning.



PROCOM A/S reserve the right to amend specifications without prior notice.

23/08/2010