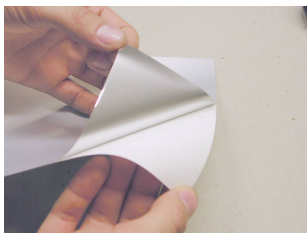


Nota: la cartina autoadesiva è **INDISPENSABILE** per il corretto funzionamento elettrico della base magnetica.

Remark: for a correct electric performance of magnetic mounts it's **NECESSARY** to apply the pvc sticker.



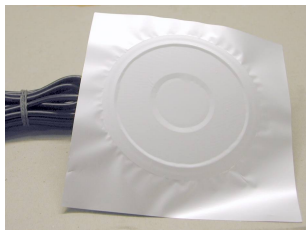
(1)

a) Dopo aver pulito la superficie del magnete con straccio e alcool, staccare la cartina autoadesiva in pvc argento dal supporto (foto 1) ed applicarla in modo uniforme e senza pieghe (foto 2 e 3).

a) Clean the surface of the magnet by using a cloth and alcohol and apply the pvc sticker paying attention to keep the surface as smooth as possible (pict. 1, 2, 3).



(2)



(3)



(4)

b) Ritagliare la cartina con un taglierino appoggiando la base su una superficie di cartone o gomma (foto 4)

b) Cut the pvc sticker following the magnetic shape. Be careful to use a carton layer when cutting to avoid damages to the working surface (pict. 4)

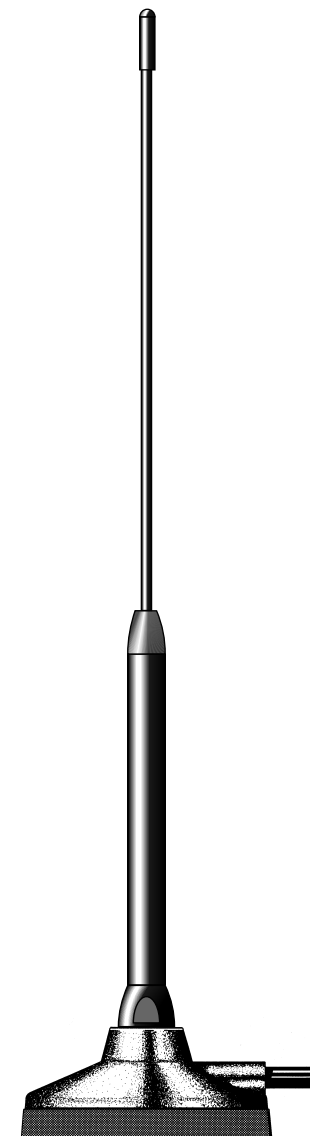


(5)

c) Montare la membrana di protezione in gomma (foto 5)

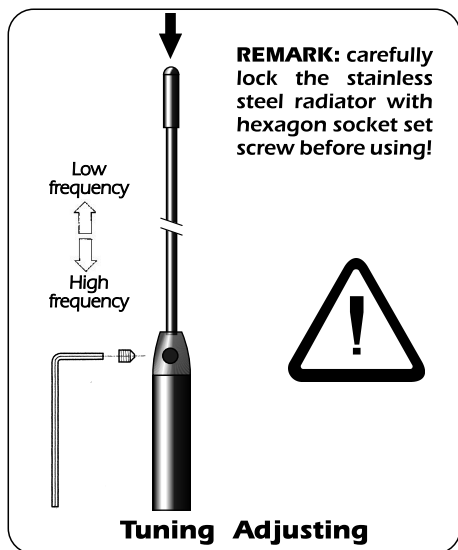
c) Assemble the rubber protection (pict. 5)

SIRIO CB 50 MAG



Technical Data:

Type	: Base loaded
Impedance	: 50 Ω
Frequency Range	: 27 ... 27.5 MHz
Polarization	: Vertical
SWR @ freq. res.	: ≤ 1.2
Bandwidth @ SWR ≤ 2	: ≥ 300 KHz (30 channel)
Max. Power	: 10 Watts (CW) continuous, 30 Watts (CW) short time
Height (approx.)	: 490 mm
Weight (approx.)	: 360 gr
Mounting	: "Micro Mag" magnetic mount
Cable lenght / Type	: 3m / RG 58
Cable connector	: UHF-male (PL-259)



TUNING INSTRUCTIONS

INSTALLATION

1) Hole mount installation

A) Hole Drilling: Choose the position on your vehicle (centre roof is recommended) and drill a hole according to the mount diameter. Please ensure a good electrical ground contact is made.

B) Connections: Position the cable in your vehicle shortening its length according to your needs. Connect the PL259-male to the cable ready for the connection to the transceiver.

C) Electrical Tests: Ensure there is no short circuit between the central pin and the nut of the connector. Ensure there is electrical continuity of the cable from the central pin (connector side) to the central contact (antenna side). Ensure there is electrical continuity of the cable from the nut (connector side) to the ground (antenna side)

REMARKS: As some antennas are in short circuit and it would be impossible to do the test after the installation, we recommend you test the cable prior to connecting the antenna.

D) Installation: Pay attention to securing all screws and nuts during the final installation.

E) Suggestion: After the final installation and BEFORE connecting your transceiver, we recommend an electrical continuity check between the nut of the PL259 and the ground of your vehicle.

2) Special mounts installation: Follow the same instructions of Point 1.

3) Magnetic mount installation: Follow the instructions supplied with the magnetic mount.

TUNING

Most of the antennas are factory tuned and don't need any extra tuning, but in case of fine adjustments we recommend to follow the procedure below:

A) To perform a correct test, move to an open space far from metal parts such as metal doors, buildings, towers, gates etc. at minimum 50 metres or more.

B) Connect your SWR-meter between the antenna connector and your CB transceiver (follow the instructions of your SWR-meter for the correct use to your equipment).

C) The following procedure is used for the tuning of the 40 channels CB-band Radio in the range of:

CH-1 = 26.965 MHz to CH-40 = 27.405 MHz with CH-19 = 27.185 MHz as centre band for EU Frequencies.

CH-1 = 27.601 MHz to CH-40 = 27.991 MHz with CH-19 = 27.781 MHz as centre band for UK Frequencies.

Select CH-1 on your CB-transceiver and take an SWR measurement, writing down the results. **Transmit only for a few seconds because in case the SWR is too high the transceiver could be damaged.**

D) Repeat the procedure for CH-19 and CH-40

E) If all SWR results are very high (more than 3) probably there's a short circuit in the cable or your antenna is defective. **To avoid damages to your CB transceiver DO NOT use it until the problem is rectified.**

F) If the SWR results are the same on CH-1 and CH-40 and the lower value is on CH-19, your antenna doesn't need any tuning.

G) If the SWR result on CH-1 is lower than CH-40 your antenna is electrically TOO LONG and you should slightly cut the radiator by 10mm at a time. Avoid cutting too much. As long as you get the same values on CH-1 as well as CH-40.

H) If the SWR result on CH-40 is lower than CH-1 your antenna is electrically TOO SHORT and you need to pull out the radiator as long as you get the same values on CH-1 as well as CH-40.

REMARK

Some antennas can be tuned only by adjusting special rings, nuts or screws so you can follow the above procedure but you don't need to cut or extend the radiator.

Istruzioni generali per basi magnetiche / General instruction for magnetic mounts

1. L'installazione di antenne veicolari mediante base magnetica è da ritenersi una soluzione **TEMPORANEA** poichè la base magnetica **non può** garantire la stessa tenuta di una base fissa. Si consiglia per tanto, per la vostra e l'altrui sicurezza, di **NON SUPERARE I 110 Km/h.**

2. La posizione più idonea per il corretto funzionamento della base magnetica è a **centro tetto** del veicolo. In taluni casi è possibile installarla in posizioni alternative (bordo tetto o baule) a patto che le superfici di appoggio nella zona di contatto della base magnetica siano sufficientemente piane da garantire la corretta tenuta della base. Durante la prima installazione si consiglia di prestare attenzione alla tenuta della base magnetica durante la marcia per verificarne l'adeguatezza di montaggio.

3. Consigliamo vivamente di rimuovere la base magnetica quando inutilizzata in modo da evitare l'accumulo di sporcizia al di sotto della stessa e i conseguenti danni alla carrozzeria del veicolo. Una sosta prolungata sotto il sole, soprattutto durante i mesi estivi, può far innalzare la temperatura del tetto del veicolo fino a 70/80 gradi centigradi con conseguenti seri danni sia alla base magnetica che alla carrozzeria. Si consiglia per tanto di **rimuoverla sempre dopo ogni utilizzo.** Si raccomanda la **rimozione** anche **prima di entrare nell'autolavaggio.**

1. *Magnetic mounts are only suitable for temporary installation and are not safe or strong as fixed body mounts so for your own safety as well as the safety of other road users please **DO NOT EXCEED THE SPEED LIMITS OF 110 Km/h OR 70 MPH.***

2. *For optimum results the magnetic base should be fixed on the **centre of the car roof**, however alternative mounting positions can be used as long as the surface is flat enough to guarantee a strong installation. Pay particular attention to the stability of your magnetic mount to ensure safety during driving.*

3. *It is recommended that your magnetic mount is removed after each time it is used, so that any dirt can be removed before the magnet is used again. Also do not leave the vehicle parked in direct sunlight for long periods with the magnet installed as high temperatures (70 / 80 °C) can damage the magnetic base and car body. We strongly recommend that you **always remove your magnetic mount after each use and before visiting a car wash***