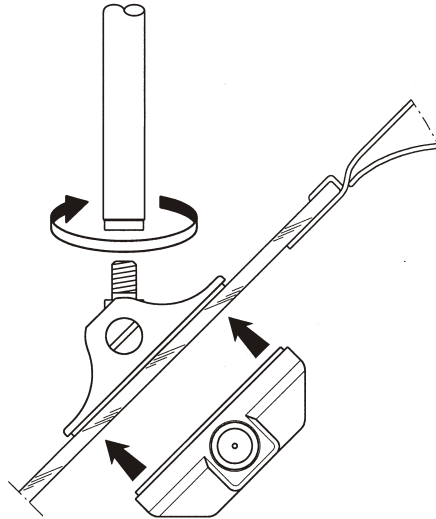


## MOUNTING INSTRUCTIONS

**2.** Repeat the above mentioned operation to fit the inner module on the inside window. Pay attention that the outer and inner module profiles coincide while assembling.

**3.** Screw the FME connector on the inner module.

**4.** Finally screw the whip on the mount joint. Lock the joint by using a screw-driver and keep the whip in vertical position.



## OPTIONAL



### Extension cable w/2 FME:

Type: extension cable  
Cable Type / Length: LOW LOSS / 3m or 5m  
Connectors: 2 FME-female

**P/N: 2510505/LL 3m cable**  
**P/N: 2510605/LL 5m cable**



### Installation Kit:

1x Cleaning tissue (A)  
2x Adhesive pads for replacement (B)  
3x Adhesive clips for cable fixing (C)

**P/N 2519900.00**

## TG / GDD series 3G

Cellular On-Glass Multi-Band Antenna (GSM/DCS-PCN-UMTS)



**TG 1820 C**  
colinear radiator



**TG 9-1820**  
1/4 wave radiator



**TG 918 C**  
**GDD 1814 / 3G**  
colinear radiator

## DESCRIPTION

On-glass antenna Set designed to work on several cellular systems. The 1/4 wave radiator has a wide coverage for GSM 900 & 1800, PCS 1.9, DECT and UMTS. The 1820C colinear radiator can be used to improve the gain signal in the 1710-2170 MHz bands while 918C colinear radiator can be used to improve the gain signal in the 880-960 MHz.

Both radiators can be fitted on the same outer module without any special tuning or adjustment and they can be easily detached for when washing the car. The inner module made of ABS is screened to avoid radiation inside the vehicle and its 3M VHB adhesive guarantees a perfect adherence in any weather condition.

## SPECIFICATIONS

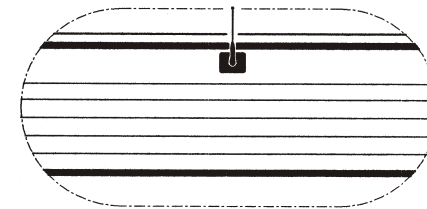
Electrical Data	TG 9-1820	TG 1820 C	TG 918 C/GDD1814 3G
Type	1/4 $\lambda$ both bands	1/4 $\lambda$ + 5/8 $\lambda$ Colinear	1/4 $\lambda$ + 5/8 $\lambda$ Colinear GSM 900 1/4 $\lambda$ in 1.71-2.17 GHz band
Frequency Range	880-960 MHz (GSM 900) & 1.71-2.17 GHz (GSM1800, PCS 1.9, DECT, UMTS)	1.71-2.17 GHz (GSM1800, PCS 1.9, DECT, UMTS)	880-960 MHz (GSM 900) & 1.71-2.17 GHz (GSM1800, PCS 1.9, DECT, UMTS)
Impedance	50 $\Omega$		
Radiation (H-plane)	360° Omnidirectional		
Polarization	Linear Vertical		
Gain	0 dBi in GSM 900 band 1 dBi in 1.71-2.17 GHz band	2.3 dBi in 1.71-2.17 GHz band	2.3 dBi in GSM 900 band 0 dBi in 1.71-2.17 GHz band
SWR in bandwidth	$\leq 2$ both bands	$\leq 2$	$\leq 2$ both bands
Max Power (CW) @ 30°C	10 Watts		
Connector	FME-male		
<b>Mechanical Data</b>			
Materials	Stainless Steel 17/7 PH, Chromed brass, ABS		
Height (approx.)	85 mm	165 mm	355 mm
Weight (approx.)	65 gr		
Mounting	"On-glass"		

### Product number

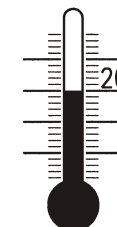
P/N	2217306.93 (double whip set)	/
P/N w/ 3m cable	/	2217506.93LL

## MOUNTING INSTRUCTIONS

**INSTALLATION:** recommended position on the vehicle rear window, far from the window's thermic wires, centrally stuck.



**CLEANING:** It is recommended to carefully clean the internal and external glass surfaces before installation. Make use of isopropanol cleaning products or ask for SIRIO's installation kit (p/n: 2519900.00). Proceed with the installation at temperature of 20° C.



**1.** Remove the protective film avoiding to touch the adhesive pad with your hands. Proceed with the assembling mount on the window and press uniformly on the surface to get a perfect adhesion.

