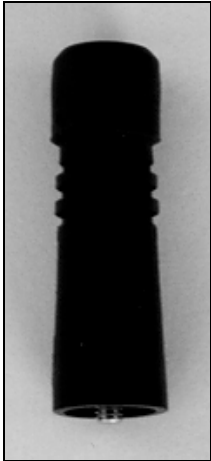




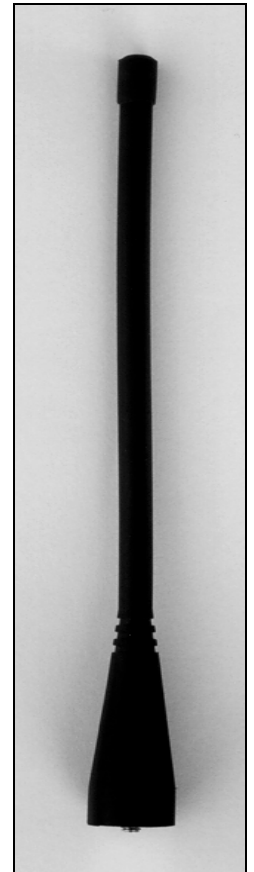
Antenna

A range of high quality antennae designed and manufactured for operation specifically with Low power short range telemetry systems. Using one of the following antennae will give optimum range and reliability to your application.



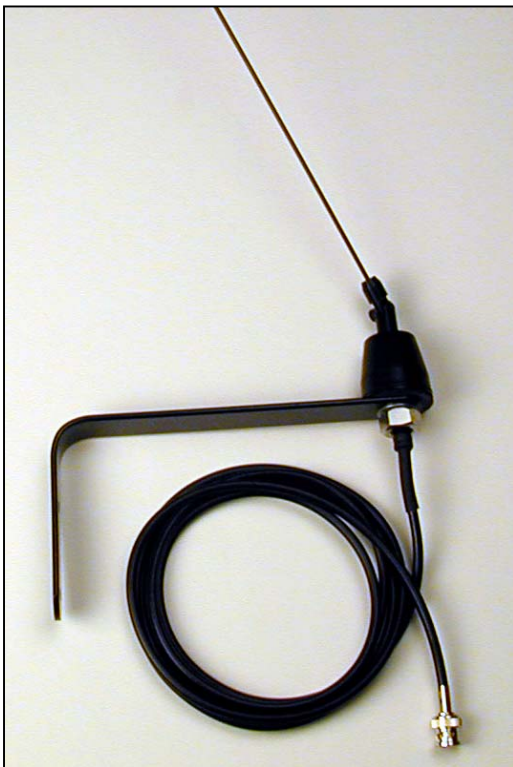
'Stubby' Helical Antenna

- $\frac{1}{4}$ Wavelength **Helical** Antenna
- Rugged Plastic Finish, Flexible Antenna
- Available As Bnc, 4ba, M4 Screw Fixing



$\frac{1}{4}$ Wave Flexible Antenna

- Standard $\frac{1}{4}$ Wavelength **Whip** Antenna
- Rugged Plastic Finish. Flexible Antenna
- Available As Bnc, 4ba, M4 Screw Fixing



+3db GAIN ANTENNA

- +3db GAIN $\frac{5}{8}$ Wavelength Whip Antenna
- Integral Wall Mounting Bracket
- Supplied With 2 Metres Coax Cable & Bnc (50 Ω)

Note: In Order To Comply With The UK DTI Regulations, A Gain Antenna Must Not Be Used On Any Transmitting Device.



Antenna

¼ Wave Whip Antenna Dimensions (mm)

	M4		4BA		BNC	
	Length	Dia	Length	Dia	Length	Dia
315MHz	*	*	231	13	250	18
433MHz	162.5	13	160.5	13	172	17
458MHz	-	-	-	-	164	16
868MHz	97	13	-	-	81	17.5
916MHz	-	-	83	13	-	-

Helical / Compressed Helical / Gain Antenna Dimensions (mm)

	Helical M4		Helical 4BA		Helical BNC		Comp. Helical M4		Gain	
	Length	Dia	Length	Dia	Length	Dia	Length	Dia	Length	Dia
173MHz	-	-	*	*	-	-	-	-	*	*
315MHz	-	-	72	13	250	18	-	-	*	*
433MHz	55	14	55.5	13	172	17	35	14	490	14
458MHz	-	-	-	-	*	*	-	-	-	-
868MHz	-	-	-	-	-	-	-	-	-	-
916MHz	-	-	83	13	*	*	-	-	-	-

Part Numbers

¼ Wave Whip					
Fixing	315MHz	433MHz	458MHz	868MHz	915Hz
M4	-	FLEXI-M4-433	-	FLEXI-M4-868	-
4BA	FLEXI-4BA-173	FLEXI-4BA-433	-	-	FLEXI-4BA-916
BNC	-	FLEXI-BNC-433	FLEXI-BNC-458	FLEXI-BNC-868	-

Helical					
Fixing	173MHz	315MHz	433MHz	458MHz	915Hz
M4	-	-	PU-M4-433	-	-
4BA	PH-4BA-173	PU-4BA-315	PU-4BA-433	-	PU-4BA-916
BNC	-	PU-BNC-315	PU-BNC-433	PU-BNC-458	PU-BNC-916

Compressed Helical					
Fixing	173MHz	433MHz	458MHz	868MHz	915Hz
M4	-	PHC-M4-433	-	-	-

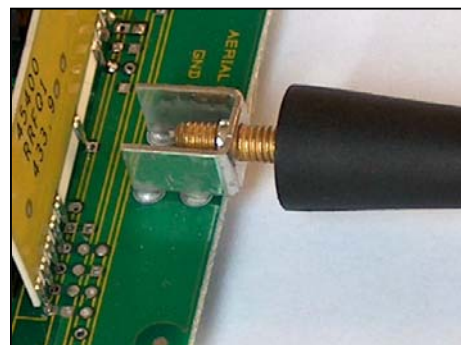
Gain Antenna					
Fixing	173MHz	433MHz	458MHz	868MHz	915Hz
Mag Mount	SR150M/TS	-	-	-	-
Wall Mounting Bracket (incl)	-	MB450-RFS433	-	-	-
YAGI	-	-	YU8-458	-	-

SCTM4RA

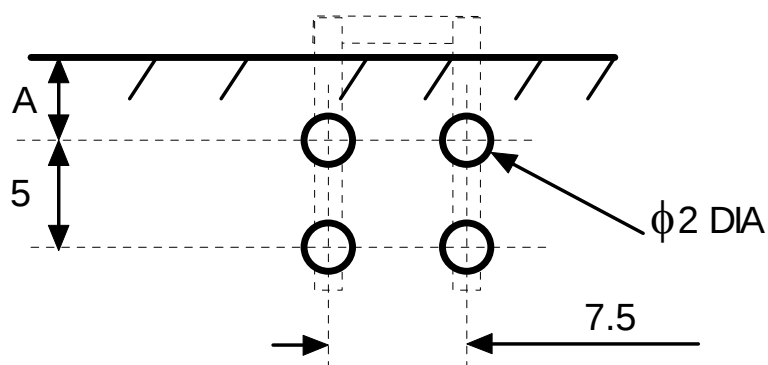
The SCTM4RA is a PCB mounting terminal providing a simple method of attaching a low cost 4mm Screw thread antenna to a PCB.



SCTM4RA "In Circuit"



PCB Layout



All dimensions in mm

$A = 5,1\text{mm}$ excluding screw head, this also depends on how far the screw terminal is from the outside surface of the box its fitted into.