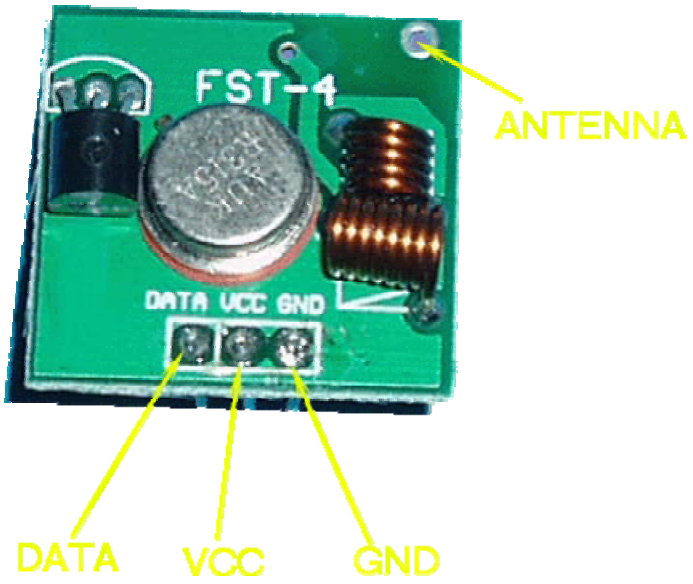
1000m Transmitting Module

Model No.: TM1000-1



A. Technical Specifications:

Parameter	Remarks	Reference Value			Units
		Minimum	Standard	Maximum	
Operating Voltages	DC	3		12	V
Ooerating Current		5		45	mA
Quiescent Current			≤0.02		mA
Modulation Mode	AM				
Operating Frequency	More than 20 choices	260	315	440	MHz
Transmitting Distance			1000		m
Dimension(LWH)			21*22*8		mm

B. Pin Function Introduction:

Pin	Name	Function
	VDD/VCC	Power Anode
	TXD/DATA	Data Terminal
	GND/VSS	Power Cathode
	ANT	Antenna

C. Product Specifications:

1. Transmitter module uses SAW stable frequency, small temperature excursion, even no excursion with hand touching, which can still guarantee the stable performance in the environment of vibration and big temperature change.
2. The low price allows it to be the complete substitute of LC oscillating circui.
3. Frequency error is generally within ±75KHz, not like LC oscillating circui of which the error is around ±500KHz, so that guarantee the reliability.
4. Under the normal conditions, quiescent current is almost zero.
5. Wide operating voltage range between DC3~12V;
6. Factory setting frequency is normally 315MHz/433Mhz, the frequency can be adjusted from 260MHz to 433MHz in case of special requirement.

D. Notes:

1. Before being used, connect 50 ohm1/4 wavelength cable antenna (wavelength = light speed/frequency), around 23cm. To have the best effects, please pull out the antenna and keep it straight.
2. Transmitting module has good demand of power , transmitting distance will be very short even the module may not transmit if the power is not sufficient.
3. In order to reach the right transmitting distance, the antenna should be pulled out completely and the antenna of the receiver module should be straight. Both of the transmitter module and receiver module should be 1.5meter above the floor. The receiver module can only drive one LED in a level, open, interference-free environment.