



Output power: 100mW

Audio Frequency range: 50Hz-18 KHz

Transmission frequency:

Close the campus radio 87.0MHz-108.0MHz, open campus radio 76.0MHz-108.0MHz

Frequency adjustment step: 0.1MHz / second (short key press), 1.0MHz / time (long button press)

Modulation modes: standard FM

Equivalent Noise:  $\geq 30\text{dB}$  (close to CD quality)

Supply voltage: DC 3.0V-5.0V

Operating Current: 35mA

Transmitting antenna: 75cm telescopic antenna

Transmission Distance: FM transmitter module connected to 75cm standard telescopic antenna, open to the measured coverage radius of 100 meters. (Note: The transmission range is for reference only, because the environment is slightly different)

FM transmitter / receiver module AT commands Description

Baud Rate: 38400 TTL level

Instruction Name	Instruction examples	Instruction Description	Ranging from	return value
Set the current frequency point	AT <FRE> = 875	Set the current frequency point is 87.5MHZ	760-1080 (open campus radio) 870-1080(Off campus radio)	The current frequency or ERR (error)
Frequency-0.1MHZ	AT <FRED>			The current frequency point
Frequency + 0.1MHZ	AT <FREU>			The current frequency point
Pause Play /Resume	AT <PAUS>			PLAY (Play) PAUS(pause) ER R
Set Volume	AT <VOL> = 16	Set the current volume to 16	00-16	VOL value or ERR
Volume -	AT <VOLD>	Volume -1		VOL value or ERR
Volume +	AT <VOLU>	Volume +1		VOL value or ERR
Setting Backlight Off Time(seconds). Where 00 is off 01 long bright	AT <BANK> = 10	Set the backlight delay10 sec Off	00-99	BANK value or ERR
Switch campus radio	AT <CAMPUS> = 1	Open campus radio	0 ( off ) - 1 (open)	CAMPUS_OFF or CAMPUS_ON
reset	AT <CR>	reset:  VOL = 10 // Volume 10  FRE = 875 //frequency87.5 MHZ  BANK = 20 //backlight delay20s Off		OK

		CAMPOS_OFF //Off campus radio  FRE = 875 //current frequency875M HZ		
Returns current status information module	AT <RET>			VOL = 10 // Volume 10  FRE = 875 // frequency87.5MHZ  PLAY / PAUS // muted  BANK_OFF ( BANK_ON ) // turns off the backlight time (along open, 0 long off, or delays XS )  CAMPOS_OFF (CAMPOS_ON) // if open campus radio