

# Solo Twin

Dual channel VHF non-diversity



The new Solo Twin radio microphone systems from Smart Wireless offer the ideal professional solution for budget conscious radio microphone requirements.

These VHF Twin systems were developed using components from the well established Solo range and they offer the user the ability to use two radio microphones simultaneously in a very compact format.

The systems come available with either two handheld transmitters, two beltpack transmitters or one of each type of transmitter. All equipment is packed into a sturdy carrying case enabling safe transport whilst on the road.



Image shown S102M twin handheld system



There are three complete systems available in the Solo Twin range:

- S102B** – Twin Beltpack system including 2 x cardioid lapel microphones
- S102M** – Twin Handheld system
- S102BM** – Handheld & beltpack with lapel microphone system

- Each system uses two different frequencies within the deregulated VHF band.
- Mixed and individual audio outputs at line or mic level to ensure good connectivity to ancillary equipment
- Advanced wireless circuitry for super-reliable RF reception.
- Compact desk mounted mini receiver, with optional rack mounting kit (mounts two receivers)
- Squelch Adjustment
- Sturdy ABS carrying case included to protect the complete system



Rear view of S2-TX receiver



Smartwireless

[www.smartwireless.co.uk](http://www.smartwireless.co.uk)



S102BM- Handheld & belt-pack system



S102B - Twin belt-pack system



S102M - Twin handheld system

## System Specification

### Receiver (S2T-RX)

- Carrier Frequency Range : Fixed freq. 173.8MHz and 175.0MHz
- Oscillator : Crystal locked control
- Modulation : FM
- Frequency Stability : +/- 0.005%
- S/N ratio : > 94dB, (at RF = 1mV)
- Image and Spurious Rejection : 80 dB minimum
- Receiving Sensitivity : At 5uV over 80dB S/N ratio
- Selectivity : > 50dB
- AF Response : 50Hz to 15KHz
- T.H.D. : < 1% (at 1KHz)
- IF Frequency : 10.7MHz
- Dynamic Range : >96dB
- Audio Output : Unbalanced audio output line/mic level
- Current Consumption : 40mA +/- 10mA
- Power Supply : 12V DC , approx 500mA
- Case : Mini Case
- Dimensions : 170 x 32 x 106 (mm)

### Handheld transmitter (S1001)

- Carrier Frequency Range : Fixed freq. 173.8MHz/175.0MHz
- RF Power Output : 10mW (max)
- Effective range : 100m line of sight
- Oscillator : Crystal locked control
- Frequency Stability : +/- 0.005%
- Maximum Deviation : +/- 15KHz
- Spurious Emission : >50dB below carrier frequency
- T.H.D. : < 1% (at 1KHz)
- Battery : 2 x AA size 1.5v Alkaline
- Current consumption : 50mA +/- 5mA
- Capsule : Electret Condenser
- Dimensions : 272mm x 62 dia

### Belt-pack transmitter (BTX)

- Carrier Frequency Range : Fixed freq. 173.8MHz/175.0MHz
- RF Power Output : 10mW (max)
- Effective range : 100m line of sight
- Oscillator : Crystal locked control
- Frequency Stability : +/- 0.005%
- Maximum Deviation : +/- 15KHz
- Spurious Emission : >50dB below carrier frequency
- T.H.D. : < 1% (at 1KHz)
- Battery : 2 x AA size 1.5v Alkaline
- Current consumption : 50mA +/- 5mA
- Microphone supplied : Uni-directional electret condenser lapel
- Dimensions : 66 x 98 x 25 mm

### Included accessories



**CC1** – ABS system carrying case, ¼" jack to ¼" jack lead, Instruction manual, 240V (UK) 3 pin, or 240v (EU) 2 pin plug top power supply.

### Optional accessories

- S1005** - Headset microphone
- S1008** - Omni-directional miniature lapel microphone
- S1012** - Guitar lead
- S1020** - Cardioid miniature lapel microphone
- S1021** - Neoprene belt-pack pouch
- S1022** - 19" 1U rack kit for two receivers