

Solo

**Presenter
Feed
Receiver**

**High quality
audio**

**Small discrete
size**

**Synthesised
multi-frequency
operation**

**Long battery
life
using standard
AA batteries**

**Suitable for a
wide range of
headsets**

1893 0001 1.0 /Aug 2000

**making
waves**



Solo is a small wireless receiver that gives personalities on camera a means of listening to commands and cues during programme production. Solo provides high quality and therefore low fatigue audio, is compact and discrete and has an excellent battery life.

Using advanced synthesised frequency control techniques Solo operates in the the 400-900MHz frequency range and has four non-volatile internally stored channels. These can be readily reprogrammed using standard PC software.

Audio output is via a 3.5mm stereo jack and is suitable for a wide range of headsets

In common with other products in the range and in contrast with competitor systems, Solo uses narrow band FM techniques to provide high quality audio while remaining spectrally efficient. A potentially critical cost consideration with spectrum pricing becoming an issue with licensing authorities.

Operating from a pair of AA batteries, Solo will give an exceptional battery life of over 10 hours under normal operating circumstances. A combined visual and audible low battery indication is just one of the many facilities designed as standard into this rugged unit.



In satisfying European ETS 300 086 mobile radio specification, Solo will technically comply with the most demanding of type approval requirements anywhere in the world.

This aspect together with its frequency agility, small size, excellent audio quality and extended battery life all contribute to make Solo the natural choice for professional studio wireless intercom applications.

In service Solo is used with the Symphony duplex base station and will be complimented with the Duo portable duplex transceiver and Trio transmit only unit.



Solo Presenter Feed Receiver

Specification

| | | |
|------------------------------|---|-----------------|
| Frequency range | 400 - 900 MHz (banded) | |
| Sensitivity | < -115 dBm for 12dB SINAD (with weighting filter) | |
| Number of channels | 4 with push switch selection | |
| Switching bandwidth | 10MHz | |
| Channel spacing | 25kHz or 12.5 kHz | |
| Frequency stability | ±2.5ppm over temperature range | |
| Adjacent channel selectivity | 25kHz | >70 dB |
| | 12.5kHz | >60 dB |
| Image rejection | >70 dB | |
| Intermodulation rejection | >65 dB | |
| Blocking | >84 dB | |
| Intermediate frequencies | 45 MHz and 455 kHz | |
| Antenna | Transducer cable | |
| AF load impedance | 16 ohms | |
| Audio output level | 1.5V RMS into 600 ohms ; 20mW into 16 ohms | |
| Frequency response | 25kHz | 15Hz to 4.5 kHz |
| De-emphasis options | 50µs or 6 dB per octave or flat (jumper selected) | |
| Distortion | 25kHz | <2 % at 1 kHz |
| | 12.5kHz | <3 % at 1 kHz |
| Battery type | 2 x AA alkaline primary cells | |
| Battery life expectancy | >10 hours | |
| Operating temperature | -20°C to +55°C | |
| Housing | High impact injection moulded case | |
| Size | 105 x 60 x 22mm (4.13" x 2.36" x 0.86") | |
| Weight | 135g (4.75oz) | |
| Connectors | 3.5mm stereo jack socket | |
| Controls | on/off switch, volume control, channel change | |
| Indicators | Channel select, low battery (audio and visual) | |

Options

Carrying Case
Digital squelch

Associated Equipment

Symphony Wireless Intercom Base Station
Trio Intercom Transmitter
Duo Duplex Intercom Transceiver

Wood & Douglas maintain a policy of continuous product improvement and enhancement. As a consequence, the above specification may change without notice.

1893 0001 (1.0 / Aug2000)



Wood & Douglas Ltd
Lattice House
Baughurst
Tadley
Hants RG26 5LP
United Kingdom

Tel : +44 (0) 118 981 1444
Fax : +44 (0) 118 981 1567

info@woodanddouglas.co.uk
www.woodanddouglas.co.uk