



The Lingua 32 channel infra-red receiver is designed for use with EN61603 compliant narrow band transmission systems. The unit is made from impact resistant plastic featuring a pocket clip and a lanyard. The Lingua can be powered either by 2XAA size interchangeable dry cell batteries or a single NiMH rechargeable power pack.

The receiver has a low current consumption and has an operating life with long life dry cell batteries of up to 290 hours. For continuous daily use a NiMH rechargeable power pack provide an operating cycle of up to 90 hours (recharging rack required).

The infra-red system uses multiplexed FM signals, which makes the unit compatible with other systems. The receiver uses a superhet principle with low current consumption ICs, block IF Filter, and uses a digital processor controlled for accurate tuning.

Additional features are the Auto channel skip and channel shift modes which are shown below:

Auto channel skip :

The unit will skip to the next channel if there is no signal on that particular channel.

Channel Shift mode:

The unit can be set to start at a channel other than 1 (e.g. channels 5 to 14 can be used and the unit will scroll round from 5 through to 14 and then back to 5). This mode can also be used to set maximum channels. This is programmed using the channel and volume buttons.

The LCD backlight activates when ever a button is pressed and will stay on for approx 3 seconds after a button is pressed. The receiver has signal strength indication on the LCD display, which shows how strong a signal the unit is receiving. The unit also has a battery progressive strength indication, which gives a good indication of battery state and if rechargeable batteries are used when to recharge the batteries.

The unit has no on button; as the unit is turned on via any one of the control buttons.

Controls:

The unit is activated by holding down any of the buttons on the front of the unit until the LCD and backlight is comes on. To operate release and then re-press the button pressed to operate as normal.

The channel selection is from two push buttons on the front just below the LCD display.

The volume controls are from two push buttons on the front just below the channel selection buttons.

Special Functions are also set via these buttons above.

The unit will automatically power down if no infra-red transmission received after approx 30 seconds or if the headphones are unplugged.

Battery Status:

The battery status is shown on the LCD display as a progressive indicator. Batteries should be replaced (or recharged in the case of the rechargeable battery) when the battery display indicator starts to flash indicating failing battery.

Technical Data:

No of Channels:	up to 32
Channel Frequencies:	55 KHz to 1335 KHz (excluding 455 KHz)
Channel Spacing:	40 KHz
Modulation:	Narrow Band FM
Nominal Deviation:	+/- 6 KHz
Peak Deviation:	+/- 8 KHz
Frequency response:	50Hz - 8 KHz (-3dB)
Channel S/N:	better than 52dBA
Channel separation:	better than 52dBA
Distortion at 1 KHz:	< 3%
Sensitivity:	better than 5mW/m 2 IR
Battery Size:	2 x AA dry cell or rechargeable NiMH batteries
Battery Life:	up to 290 Hours with 2 x AA batteries up to 90 Hours with Rechargeable battery
Dimension:	TBA
Weight:	TBA

We reserve the right to vary the specification without notice in the interest of product improvement



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