

# fmGenie Fast Track Guide for use with neck loops



This *Fast Track Guide* takes you through the basic steps required to get your fmGenie working with an inductive neck loop.

## Part 1 Batteries

The fmGenie uses standard size AA batteries. Rechargeable batteries are the recommended option and, once fitted, are charged 'in situ' – just like a mobile phone.

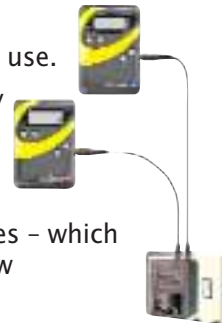
### Rechargeable batteries – nickel metal hydride (NiMH)

New rechargeable batteries require charging before use.

- 1 To fit the batteries, slide open the battery cover and insert as shown. The technique is a combination of 'squeeze, thumb and wiggle' – you won't break it and the firm fit stops the battery cover accidentally falling off.
- 2 Do NOT turn on the fmGenie.
- 3 Plug the twin tail charger into the socket marked 'Chg' and turn on charger – rolling battery bars should be visible on the right of the status display.
- 4 The equipment will be given an initial 4 hour charge – enough for a few days' use.
- 5 When the display goes blank, fmGenie is ready for use.



After this initial charge, your fmGenie will automatically take either a full or top up charge as required.




### Alkaline batteries




The fmGenie can also be used with alkaline AA batteries – which can be useful in an emergency – you could even borrow some from your TV remote controls!

The performance is the same whatever type of AA battery is used.

**Part 2a Turning on**

- 1 Connect an aerial or lapel microphone into the fmGenie transmitter  external microphone socket (Ext mic).



- 2 Turn on both the transmitter  and receiver  by pressing and holding the ON/OFF button  until the display turns on and the alert indicator flashes once.

*It is time rather than pressure which turns on an fmGenie - to prevent accidental switching on/off.*



- 3 Check that both units are showing the same channel number.






If they are not, you will need to match the channels.



 Pages 48 and 90 - User Guide (3rd Edition)


**Part 2b Using test headphones to check the fmGenie system**

Hearing aid users setting up an fmGenie for themselves should skip this section and move on to Part 3.

- 1 Check that 'HI' audio output  is selected on the receiver  by checking the display. If  is not shown, you will need to refer to page 9 and set 'HI'  rather than 'LO' .




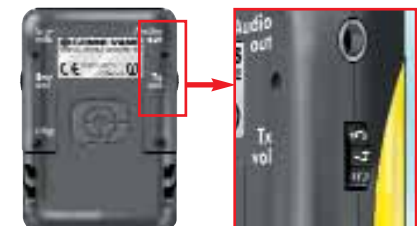
 Page 95 - User Guide (3rd Edition)

- 2 Give the fmGenie transmitter  to a colleague and ask them to walk to the other side of the room while talking normally into the microphone at 150mm (the length of a biro) from the mouth.

- 3 Plug the test headphones into the fmGenie receiver  audio output socket (Audio out).



- 4 Using the test headphones, listen to the fmGenie receiver  and adjusting the Tx volume to a comfortable level.



Assuming you are able to hear your colleague talking, well done - you are halfway to a fully working system. The next step is to get the hearing aid(s) working with the fmGenie receiver.

### Part 3 – Using an fmGenie receiver with an inductive neckloop and hearing aid on ‘T’



- 1 Ensure that the ‘Tx vol’ volume is at minimum.
- 2 Check that ‘HI’ audio output is selected on the receiver by checking the display.



If is not shown, you will need to refer to page 9 and set ‘HI’ rather than ‘LO’ .

Page 95 – User Guide (3rd Edition)

- 3 The hearing aid user should listen at arm’s length to somebody talking to establish the level of sound from the hearing aid alone – page 5 explains why we do this.

- 4 Plug in a neck loop.



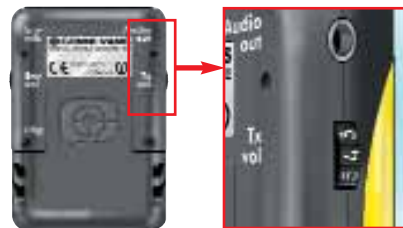
- 5 Make sure that both fmGenie units are turned on.

- 6 The hearing aid wearer should take the receiver and place the neck loop around their neck. They should then turn their hearing aid(s) to the ‘T’ position.

- 7 The helper should take the fmGenie transmitter and walk to the other side of the room while talking normally into the microphone at 150mm (the length of a biro) from the mouth.



- 8 The hearing aid user should be able to hear the helper through the fmGenie receiver by adjusting the Tx volume up to a comfortable level.



Congratulations, it’s as simple as that!

If nothing is heard with the hearing aid, a hearing helper could listen using a pair of test headphones. If the helper can hear with the headphones then any problem must lie with either the hearing aid or the neck loop.

The hearing aid ‘T’ position can be roughly checked by moving the hearing aid near to a mains transformer (e.g. any plug-in power supply) when you should hear a buzz or hum. The neck loop can be checked by exchanging it for a spare one.

In order to hear your own voice, or voices nearby, you may need to connect an environmental microphone to the fmGenie receiver, see page 45 of the User Guide (3rd Ed).

### Part 4 – Setting the volume

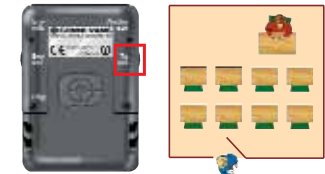
In an ideal world, setting volume controls would be done with the help of an audiologist, however it is also possible for a good listener to set their own listening preference.

*Very simply, the sound heard at a distance through the fmGenie should be similar to, or slightly louder than, the sound heard from the hearing aid on its own at close range in a quiet room.*



**Volume controls** The volume can be set by a comparison method.

- 1 Initially establish a satisfactory listening level with the hearing aid(s) alone, at arm’s length from somebody talking to you.
- 2 Turn on the fmGenie system, give the transmitter to your helper and ask them to walk away whilst talking.
- 3 You should now listen to the hearing aids but this time through the fmGenie receiver without changing the hearing aid volume controls.



Adjust the transmitter volume control (Tx vol) to match, or be slightly louder than, the original listening level through the hearing aid alone.

**Tone controls** Setting the tone controls is straightforward but rarely need adjusting at this stage. See page 97 of the User Guide (3rd Ed).

## Putting an fmGenie system together

Please refer to the Instruction Booklet for full information, however the following illustrations will give you a quick guide to 'what goes where'.

### Using fmGenie Transmitter with integral microphone



fmGenie Transmitter  
Part No. FMG110

fmGenie aerial supplied with transmitter, fits into external microphone socket (Ext Mic)

Page 34 - User Guide (3rd Edition)

### Lapel microphone

The microphone pack (Part no. FMG213M) contains 3 items; a microphone head, lead and lapel clip.

The microphone head plugs directly into the lead with a push on fitting.



Black stub microphone head  
Part No. FMG211

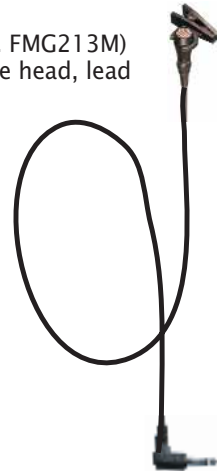


Lapel clip for black stub mic head  
Part No. FMG212



fmGenie stub microphone lead  
Part No. FMG21M600

Page 20 - User Guide (3rd Edition)



### Using fmGenie Transmitter with lapel microphone

fmGenie Transmitter with lapel mic



Sound input

Page 34 - User Guide (3rd Edition)

### Wearing the fmGenie transmitter

Tx with pouch  
Tx with pouch & modular waist harness  
Tx with neck pouch  
Tx with hip pouch



Pages 22-25 - User Guide (3rd Ed.) and Connevens Catalogue - section 1

### Using an fmGenie Transmitter with conference microphone



Tx and conference microphone in centre of table



Conference mic plugged into receiver, presenter wearing transmitter



Pages 69-70 - User Guide (3rd Edition)

### Connecting an fmGenie transmitter to a TV

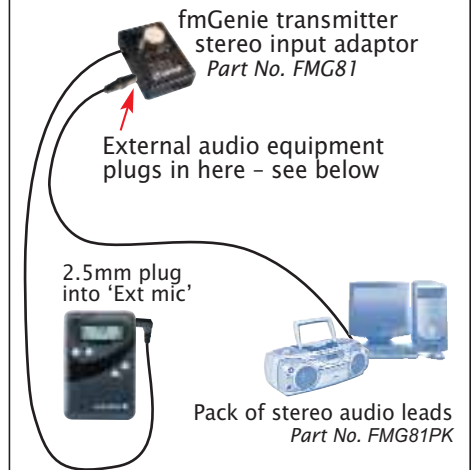
An fmGenie can be directly connected to a TV SCART socket



SCART plug to phono sockets  
Part Nos \*A121BA\* and \*T114J\*

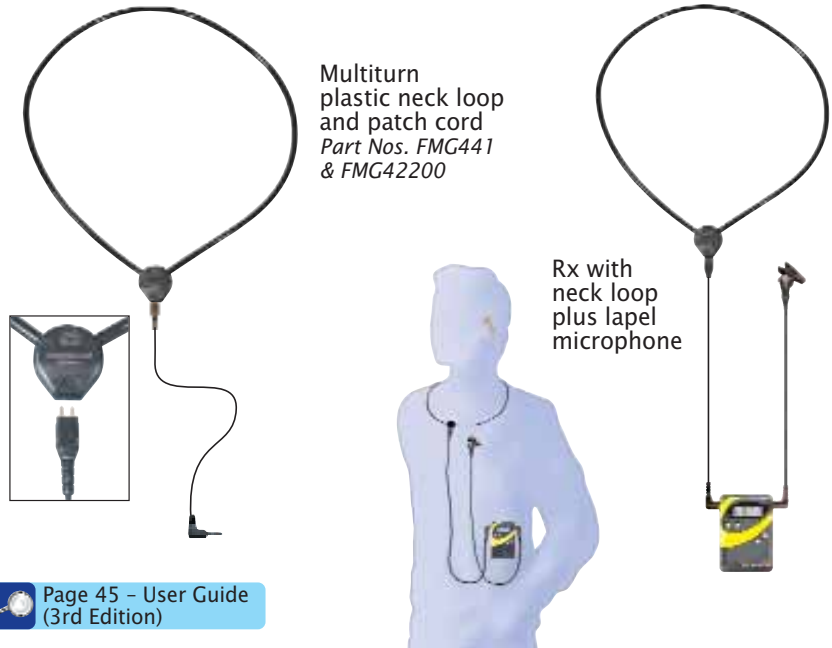
### Connecting an fmGenie Tx or Rx to external equipment

A transmitter input adaptor allows you to connect an fmGenie Tx (or Rx) to other equipment such as hi-fi or computer



Pages 66-68 - User Guide (3rd Ed.) and Connevens Catalogue sections 1 & 11

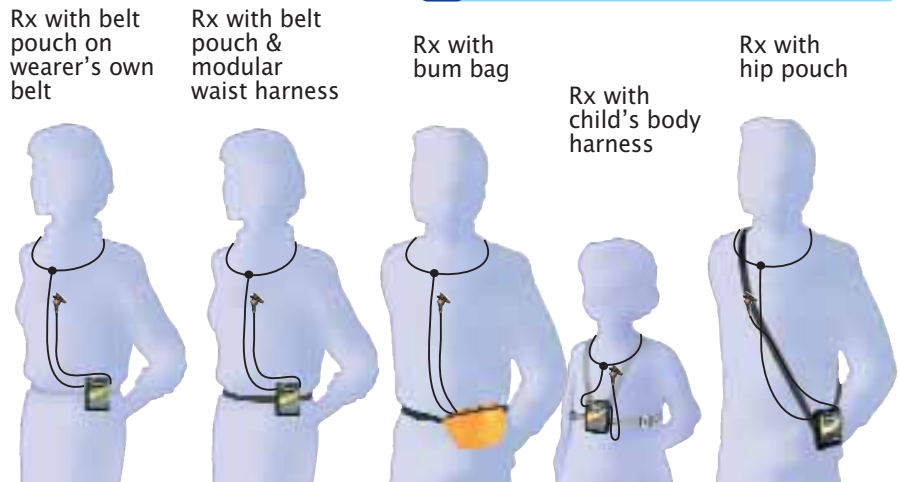
**Using fmGenie Receiver with neck loops**



Page 45 – User Guide (3rd Edition)

Pages 22-25 – User Guide (3rd Edition) and Connevens Catalogue – section 1 fmGenie

**Wearing the fmGenie Receiver**



**Listening test kit**

Headphones can be used to listen to the receiver output



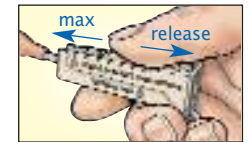
Listening stick test kit for fmGenie Part no: FMG711



Stetoclip is used to listen to the hearing aid either through the earmould or direct to earhook.



Variable attenuator has a roller wheel to allow hearing aids to be listened to at a comfortable level.



Pages 59-61 – User Guide (3rd Edition) and Connevens Catalogue – section 1 fmGenie & section 6 for separate items and spares

**Tips for maintaining radio system reliability**

Don't scrunch or wind up your leads when not in use – they will break more quickly.



Don't remove shoes by pulling on the leads – unclip the shoe itself.



Save time by not unplugging leads more often than really necessary, leave them connected – this helps reliability too.



Daily testing should cover the overall system and include the hearing aids, shoes and leads.

It is not necessary to change the HI/LO switch in the battery compartment during routine testing.



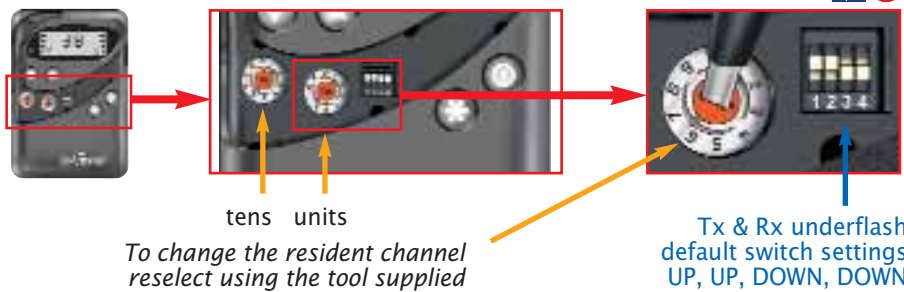
### fmGenie user facility settings

The fmGenie default settings can be easily changed – the 3rd edition of the fmGenie User Guide & Reference Manual has a lot of improved and clearer information including clear diagrams for activating or changing fmGenie features. Turn off fmGenie when making changes to settings.

Connevans tip: we advise using the bent out end of a paperclip to change switch settings; we can sell you a magnifying glass too, if you need one!



#### Default channel setting – Tx & Rx



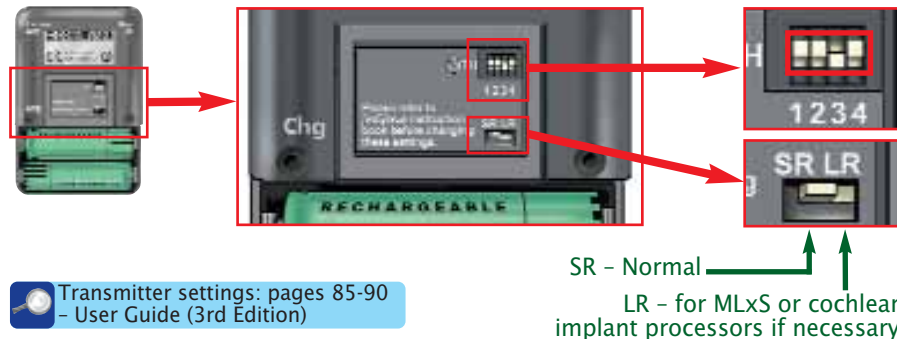
Normally the default channel should be set as the users own channel, matching the default channel on the receiver. We also advise that the transmitter channel should be left fixed – it is the receiver channel which usually needs to be changeable.

Be relaxed about changing channel, if an invalid channel is chosen by mistake the display will show an 'E1' error message to alert you.

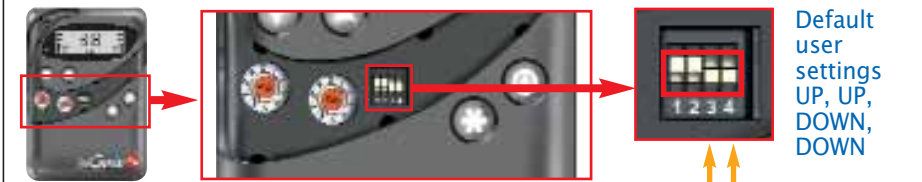
Channel settings: page 84 and Error messages: page 98 – User Guide (3rd Edition)

#### Tx underflash switch settings – Default UP, UP, DOWN, DOWN

#### Tx rear battery compartment switch settings – Default UP, UP, DOWN, UP



#### Rx underflash switch settings



To enable the channel changing facility on the Rx, move switch 3 UP.

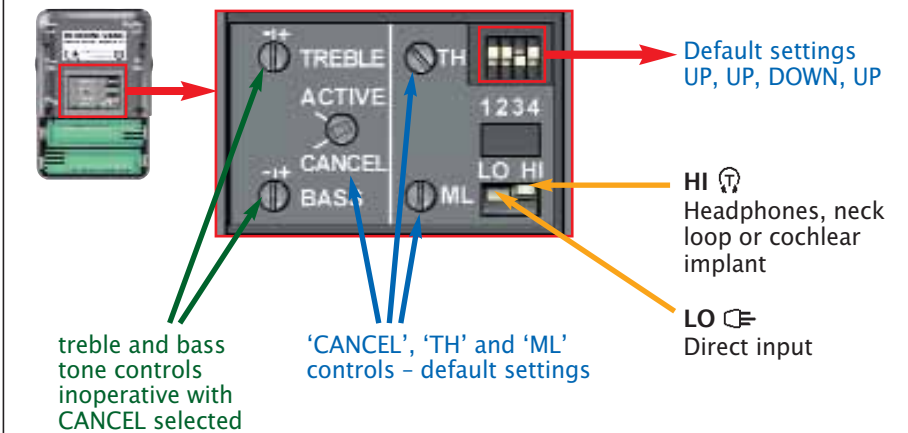
To minimise 'fiddling', channel changing on a receiver is only available for the first minute after turning on – indicated by a flashing Δ.

To enable the manual hearing aid microphone muting facility on the Rx, move switch 4 UP – please note that this feature may not operate with some digital hearing aids.

In use, a press of the Rx button mutes the hearing aid microphone and another press makes it live.

Connevans tip: The initial channel change period – shown by a flashing Δ – can be truncated by a short press of the ON/OFF button.

#### Rx rear battery compartment switch settings



Receiver settings: pages 91-97 – User Guide (3rd Edition)

## Euro channel frequencies

From January 2004, all new radio aid equipment has to be supplied on the new 50KHz Euro channel frequencies.

ALL fmGenies ever made are able to use these frequencies, but from January 2004 all new fmGenies are supplied factory set to the new Euro frequency channels.

Older fmGenies can be reset to the new channels by setting the under flash switches 1 & 2 to UP/UP as shown.

If new fmGenies are being used in conjunction with other radio aid systems which cannot be changed over to the new frequencies, then the fmGenies should be reset to the 'traditional' frequencies.

To change to the 'traditional' frequency channels, set switches 1 & 2 to DOWN/DOWN.

**It is important that you only use one set of channel frequencies on any site.**

For more information see [www.connevans.com/fmGenie](http://www.connevans.com/fmGenie)



Under flash switches 1 and 2 - settings are the same for both Tx & Rx.

**CONNEVANS ON CD** - More than the catalogue and the websites, the Connevans Information Resource CD has Powerpoint presentations, sound-clips of doorbells and telephones and video-clips of fitting direct input shoes. Also includes information sheets and user guides that can be printed on site. The CD can be a valuable way of sharing information without carrying or posting mountains of paperwork.



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