

LOGICOM



FX 600

# Transmitter - Receiver

## User manual

Non-contractual photo

Please read this booklet carefully before installing your appliance.

Notice d'utilisation

- 1 -



## **CERTIFICATE OF COMPLIANCE**

We, Logicom – 74 rue de la Belle Etoile – Z I Paris Nord – B P 58338 – 95941 ROISSY CDG France (Tel: +33 (0)1 48 63 77 64, Fax:+33 (0)1 48 63 82 47) 01.48.63.82.47)  
Hereby declare that the FX 600 Walkie-talkie product (PMR) belonging to the trademark LOGICOM is compliant with the following necessary applicable requirements:

Protection of the user's health and safety.

- EN60950 (2000)

Radio requirements

- EN300296-1 v1.1.1 (2001-03)
- EN300296-2 v1.1.1 (2001-03)

EMC Requirement

- EN301489-1 v1.4.1 (2002-08)
- EN301489-5 v1.3.1 (2002-08)

Compliance with the European Parliament and Council's R&TTE 1999/5/CE directive on users' safety and electromagnetic interference means that the product for which it is intended, is installed and used according to the instructions provided in the user manual.

Any unauthorised alteration to the product shall render this certificate of compliance invalid.

Roissy, 30th January 2006

Bernard Bessis.

(Senior Director)

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## **1 PRESENTATION OF THE FX 600**

FX600 products are intended for family or group use during games and leisure time.

## **2 SAFETY AND GENERAL INFORMATION**

### **Important safety information and guidelines for optimal use of the FX 600**

Please read this information prior to using the FX 600:

#### ***2.1 Safety and general information***

1. Do not open the appliance. All alterations to the appliance are prohibited and shall render the guarantee invalid.
2. The transmitted radio frequencies may cause interference to hearing aid devices.
3. The appliance should be turned off if near to medical equipment.
4. This product should not be used by persons using pacemakers.
5. Do not use this appliance whilst driving a vehicle or using industrial appliances.
6. Do not use this appliance on board an airplane or near to a Service Station.
7. Do not hold the antenna during a transmission.
8. Do not use the appliance when the antenna is damaged.
9. Turn off the appliance and take out the batteries when you do not intend to use it for a long period of time.
10. Do not attempt to charge alkaline batteries
11. Only use the battery charger provided The use of an unapproved charger will render the guarantee invalid and could cause damage to the appliance.
12. Only use approved accessories to run this appliance.

#### ***2.2 Necessary manual steps***

- Position the transmitter and the antenna at least 5 centimetres away from your face and speak normally.


Direct the antenna upwards and away from your face.

- If you are using an accessory to carry your appliance, only use the belt clip specifically intended for this product. During the transmission, take the appliance off the belt to ensure that the antenna is at least 2,5 cm away from your body.

- Only use the antenna provided. Any accessory, alteration or unauthorised antenna can damage the transmitter and any changes or alterations inexplicitly approved by the party responsible for the compliance could result in removal of the user's right to continue using the equipment.

### 3 PRECAUTIONS FOR USE

1. Never throw the battery or batteries into fire. It is highly probable that this could cause an explosion and/or rejection of highly toxical products.
2. Do not expose the appliance to the sun or cold for extended periods of time.
3. Do not immerse the appliance into water nor use it in humid or wet conditions.
4. Do not expose the appliance to fire or any other dangerous environments. For example, in service stations or in areas where explosive products are used.





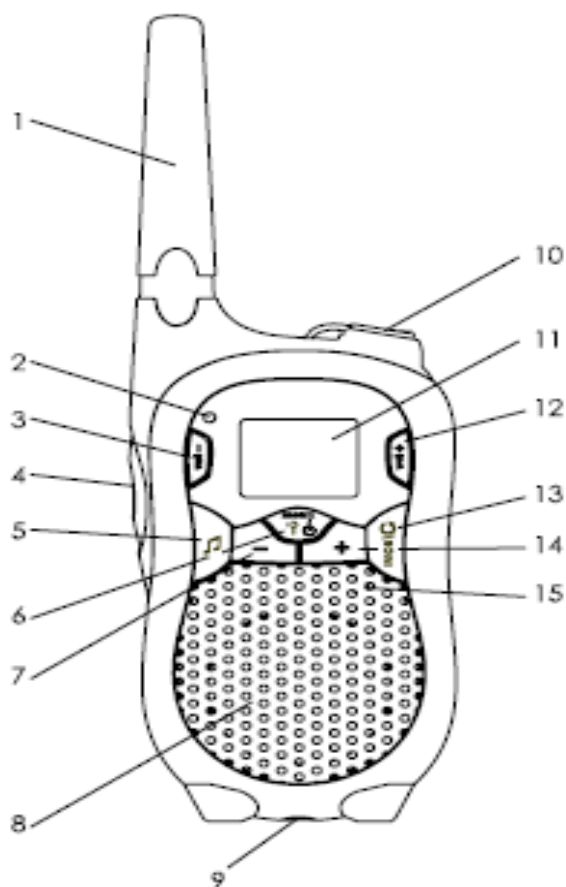
Your product is designed and manufactured with high quality recyclable and reusable materials and components.



This symbol means that all electric and electronic equipment reaching the end of its usable life should be eliminated separately from house waste. We advise you to take this equipment to your local waste recycling/collection centre.

In the European Union, there are special collection systems designed for old electric and electronic goods.










### 4 Diagram and functions

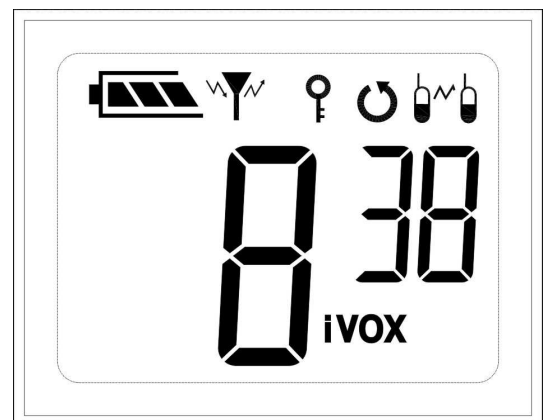
1. Antenna  
Allows you to connect to the radio
2. Warning light  
Stays on during a transmission  
Flashes when the radio is turned on.
3. The **'Vol -'** key  
Decreases the volume.
4. The **PTT** key  
Starts the transmission.  
Validates each function.
5. The  key  
Transfers a tone to other radios connected to the same channel and the same interference code eliminator to indicate that you wish to talk.
6. The **MENU/?** key   
To turn the radio on and off  
To unlock the keys and select features from the menu.



7. The  key  
To decrease
  - The channel number
  - Interference eliminator code
8. Loudspeaker
9. Charging desk stand
10. Listening Port
11. Display screen
12. The '**Vol +**' key  
Decreases the volume.
13. The **MON/O** key  
Checks the activity on channels  
Searches for a correspondent.
14. The  key  
Increases
  - The channel number
  - Interference eliminator code
15. Microphone

#### 4.1 Icon display key.

	Battery charge level
	Channel number
	Interference eliminator code number
	Transmission Power
	Keypad locked
	Search activated
	Confirmation tone activated
	Hands Free mode activated.
	Sound surveillance monitor mode activated

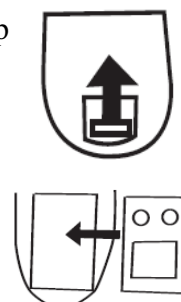


## 5 SETTING UP YOUR APPLIANCE

Before using your radio please read this manual carefully to ensure you take full advantage of its functionality and use it safely.

### 5.1 Installation of the rechargeable Ni-MH battery

1. Press the key situated on the back of the appliance and lift the battery latch up to release the battery cover.
2. Remove the battery from its protective bag.  
**Do not disassemble or open the battery.**  
Insert the Ni-MH battery ensuring that its contacts touch the metal parts of the appliance.
3. Reposition the battery cover.





### 5.2 Installation of non rechargeable batteries

1. Press the key situated on the back of the appliance and lift the battery latch up to release the battery cover.
2. Insert four alkaline AAA batteries as described inside the battery compartment whilst ensuring to respect the polarities.
3. Reposition the battery cover.

**Caution:** Never charge alkaline AAA batteries

### 5.3 Battery charge level

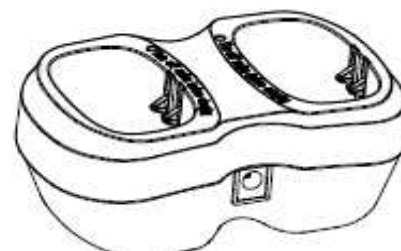
The battery icon shows the battery charge level from empty  to full .

The radio will frequently emit a sound signal to inform you that the battery is empty (Once you have released the PTT key). The radio turns off automatically when the charge level is too low.

### 5.4 Charging the FX 600 battery

- Insert the jack card into the power supply situated on the charger.
- • Connect the mains adaptor to the mains socket (220 V~).
- Insert the radio into the charging desk stand (see opposite)
- The red light alert will appear.

**Note** The light alert on the desk stand will remain on even when the batteries are charged.



### 5.5 Turning the appliance on and off

- To turn on the radio

## FX 600

Press and hold the **MENU/☎** key



- To turn off the radio  
Press and hold the **MENU/☎** key



## 6 Using the FX 600

### 6.1 SPEAKING AND LISTENING

To communicate, all group members must have their radios set on the same channel and the same interference eliminator code.

1. To speak, press and hold the **PTT** key.
2. When you have finished speaking, release the **PTT** key.

For maximum clarity when speaking, hold the radio at least 5 centimetres from your mouth and speak directly into the microphone whilst avoiding to cover it.



### 6.2 Setting the volume

- To increase the volume press the **Vol +** key.
- To decrease the volume press the **Vol -** key.
- Press the **PTT** key to validate.

**Caution** Do not hold the appliance too close to your ear. If the volume is too high, you could cause damage to your hearing.

### 6.3 Selecting a channel

The channel is the frequency used by the channel to transmit information. Your radio has 8 available channels.

- To check activity on a channel before speaking, press and hold the key **MON/📶**. If you cannot hear any communication, the channel can be used.
- To select a channel
  1. Press one of the keys  or  to select a channel.
  2. • Press the **PTT** key to validate.

**Note: Functions are automatically validated after being selected.**

### 6.4 Channels and Frequencies




Channel	Frequency	Channel	Frequency
1	466.00625	5	466.05625
2	466.01875	6	466.06875
3	466.03125	7	466.08125

4	466.04375	8	466.09375
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## 6.5 Interference eliminator code

The interference eliminator code helps to minimise external communication interferences. For each channel you can use an interference eliminator code between 1 and 38.


To select an interference eliminator code from a channel

1. Press the **MENU/⌂** key and the cc  will start to flash.
2. Press the  or  key to select the code.
3. Press the **PTT** key to validate.

**Note** To communicate with radios that don't use an interference code eliminator, you must set the latter to zero (0) on your FX 600 radio.

## 6.6 Channel search

❖ To carry out a search

- - Press the **MON/⏻** key briefly.
- The  indicator will appear on the screen and the radio will start displaying the channel combinations.
- When the radio detects activity on a channel, current search will stop to allow you to listen to the call.
- You can also speak by pressing the **PTT** key.



❖ To stop the current search

- Press the **MON/⏻** key briefly.



## 6.7 Group search

In the group search mode, the radio only carries out searches on channels belonging to your group.

❖ To add a channel to the group



1. Your radio is on standby mode.
2. Press the **MENU/⌂** key six times. The current channel number and a sign will appear on-screen.
3. Press the key  or  to change the '-' sign into 'y'.
4. Press the **PTT** key to validate.

❖ Activate the group search

1. Your radio is on standby mode.
2. Press the **MENU/☺** key seven times. A ‘-’ and ‘GP’ sign (for Group) will appear on the screen.
3. Press the  or  key to change the sign ‘-’ into ‘y’.
4. Press the **PTT** key to validate.



**To launch the search, press the MON/☺ key.**

❖ To return to normal search mode

1. Your radio is on standby mode.
2. Press the **MENU/☺** key seven times. A ‘-’ and ‘GP’ sign (for Group) will appear on the screen.
3. Press the  or  key to change the ‘-’ into ‘y’.
4. Press the **PTT** key to validate.

**Note** If the group doesn’t have any channel or only the current channel, the search will run like a normal search.

## **6.8 Advanced search**

If the radio stops the search on a channel that you don’t want to listen to, press the  or  key briefly to re-launch the search until you reach the next active channel.

## **6.9 Radio broadcast range**

Your radio has been designed to give maximal transmission performance and therefore increase the communication broadcast range.

Do not use the radios for distances less than 1,5 M.

The radio transmission range varies depending on the surrounding area. In an open and flat area, the conversation range can go as far as **6 Km**. The range is reduced if there are obstacles between radios.

## **6.10 Call tone.**


### **6.10.1 Setting and transmitting call tones**



Your radio is capable of transmitting a call tone to other radios that are set on the same channel and the same interference eliminator code, to warn them that you wish to speak to them. You can choose from 10 call tones.

❖ Settings.




1. When the radio is switched on, press the **MENU/☰** key twice.

- The  icon will appear on the-screen.

2. Press the  or  key to choose or listen to the tones that are numbered from 1 to 10.

3. • Press the **PTT** key to validate.

❖ **Transmission.**




To transmit your call tone to other radios, press the  key.

**Note** To deactivate the call tone, you must set it to zero.

### 6.10.2 Transmitting an end-of-call tone

This function allows your correspondent to be alerted by an audible beep once you have finished speaking.

To activate this function:

- Hold the  key when you switch on the radio.
- The  icon will appear on the-screen.
- When you release the PTT key at the end of your call, a confirmation tone is emitted.
- To deactivate this function, switch off your appliance and switch it back on by holding the  key.



## 7 SPECIAL FUNCTIONS:



### 7.1 Energy saving function during calls

You can save your battery life, by holding the PTT key for more then 60 seconds. Your appliance will then emit a continuous sound signal and the transmission will be stopped.

### 7.2 Locking the keypad

To prevent your settings from being accidentally changed, you can lock the keypad.

1. Press the **MENU/☰**  key several times until the  icon and a ‘-’ sign appear on the screen.

2. Press the  or  key to select ‘y’ which will activate the keypad lock.




**Note** When the lock is activated, you are still able to carry out the following functions: Switch the appliance on and off, receive and make calls, send a call tone and check activity on a channel.

❖ **To unlock the appliance, hold the MENU/☰  key until the  icon disappears.**

### 7.3 Removing a channel from the search list

This function allows you to remove a channel when you are in the search mode, so you don't have to listen to the communication on that particular channel and can continue searching on other channels.

#### ❖ Removing a channel from the search list

1. You are in channel search mode. The  alarm appears.
  2. Your radio detects a call on a channel that you don't want to listen to.
  3. Hold the  or  key to remove this channel from the search list.
  4. le canal est alors retiré et la recherche se poursuit.
- The channel will then be removed and you can continue your search.

**Note** Once you've started your search, you cannot remove the channel on which your appliance is set.

#### ❖ To re-enter the channel into the search list

The channel will be re-entered into the list once you've stopped the search by pressing the **MON/U** key.

### 7.4 Sound surveillance monitor

Your radio can be used for sound monitoring

This function allows your radio to transmit sounds that it detects to other radios which are set on the same channel and have the same interference eliminator code.

To activate this function.

1. • Turn off your radio.
2. Switch on the radio by pressing the **PTT** key.
3. An «**IVOX**» icon appears on the screen to indicate that the function is activated.
4. To transfer a call, speak directly into the microphone without pressing the **PTT** key.

**CAUTION:** Pressing the **PTT** key once will deactivate the function, and the **IVOX** icon will start to flash.

To re-activate the function, press the **PTT** key briefly and the **IVOX** icon will stop flashing.

**CAUTION:**

**This product is by no means a replacement for an adult's protection and surveillance of children.**

**Note:** When you use this function, there is a slight delay in between the time you start speaking and when the appliance starts to emit.

### 7.5 Hands Free function

You can use your FX 600 in hands free mode.




1. Switch off your appliance
2. Take off the protection cover and insert the audio accessory into the cable port.

3. Switch on the appliance and the **VOX** icon will appear on the screen.
4. Lower the sound volume before listening.
5. Adjust the sound volume to your particular preference.
6. Speak into the microphone to transmit
7. Messages may be received once the user stops speaking

**Note** The hands free Kit is not provided with this appliance.

## 7.6 Set the level of sensitivity in hands free mode.

By adjusting the appliance's sensibility level, you can reduce the amount of disturbing sounds and quiet voices can be picked up more effectively.

1. Press the **MENU/?**  key several times until the **VOX** icon appears on the screen.
2. Press the  or  key to set the sensibility level.

3. For quiet environments
2. For the majority of environments
1. For noisy environments








3. Validate with the **PTT** key.

**Note** When you connect the hands free kit, the appliance automatically selects the last sensibility level chosen.

## 7.7 Stopwatch

You can use your FX600 as a stopwatch.

To use this function, follow the instructions below.




1. Your radio is on standby mode.
2. Press the **MENU/?**  key five times and the  icon will appear on the screen.
3. Press the  key to start the stopwatch. The minutes and seconds will appear.
4. To stop the stopwatch, press  again.
  - Please note that if the stopwatch isn't set back to zero, the timer will continue without being displayed on the screen.
  - If you press the  again, the stopwatch will start counting from the beginning.
  - 
  - ❖ To set the stopwatch back to zero.
    1. • Press the  key to stop it.
    2. • Press the  key to set it back to zero.

**Note** You cannot use the hands free and sound surveillance mode whilst the stopwatch mode is in use.




main libre, et le mode moniteur de surveillance sonore.

## **7.8 Energy saving**

Your appliance has an energy saving function. You can enable your radio to switch off automatically when it is switched on and hasn't been used for a long period of time, by following the following procedure:

1. Press the **MENU/?**  key four times and a 'P' will appear on the screen.
2. Use the  or  key to select 30, 60 or 90 minutes.
3. Validate by pressing **PTT**

### **To deactivate this function**

1. Press the **MENU/?**  key four times and a 'P' will appear on the screen.
2. Use the  or  key to select 0..
3. Validate by pressing **PTT**

## **8 TROUBLESHOOTING**

### **8.1 The display no longer appears**

- Check the battery or disposable batteries
- Recharge the battery or change the disposable batteries

### **8.2 Problems transmitting or receiving messages**

- Check that the radios are set on the same channels
- Change locations.
- Check the volume

### **8.3 Interference problems**

- Appliances must be situated at least 1,5 metres apart.
- Radios are too far apart
- Obstacles are disrupting transmission.

### **8.4 Transmission range problems**

- Natural or artificial obstacles can reduce the range.

## **9 Warranty information**

The LOGICOM supplier warranty is applicable for normal use of the device as set out in the user manual.

Damage to this appliance caused by external factors is not covered by the warranty. In particular, the warranty is not applicable if the appliance has been damaged as a result of a fall, a shock, incorrect use or use with a connection which is not compliant with the instructions of the manual or the requirements of your operator, or due to lightning, mains over voltage, or insufficient protection from heat, humidity or frost.

The warranty applies to Metropolitan France only.

## **10 Contacting the customer care service.**

Before returning the appliance to the dealer or retailer, it is imperative to contact us so we may check that the appliance is faulty.

- Ensure you have your appliance to hand
- •Please contact one of our customer care service help lines: + **33 (0)1 48 63 67 94** or + **33 (0)1 48 63 67 95**.
- • One of our telephone operators will provide a solution for your problem(s).