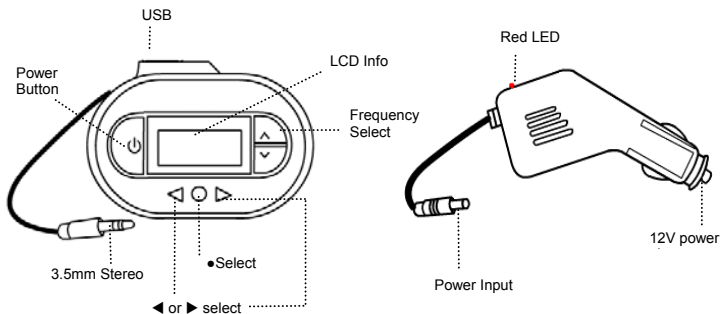# IP163 – Universal FM Transmitter w/LCD INSTRUCTION MANUAL

Thank you for purchasing the Logic3 IP163. As with all Logic3 products the IP163 has been built to the highest manufacturing standards and testing throughout its development to ensure you get the best possible product. Please read through and familiarise yourself with this manual before you use the IP163.

- Transmits to any FM frequency between 88.1MHz to 107.9MHz
- LCD display with blue backlight
- Time & temperature display's
- Powered by 2 x AAA batteries or the car power plug (supplied)
- Auto switch off

User Instructions

> **Caution**
> ⚠ Do not connect the FM Transmitter before or when starting the car to avoid any possible power surges or damage to the FM Transmitter or audio device

Power Connection

Via Batteries

1. Insert 2 x AAA batteries into the battery compartment at the rear of the FM Transmitter.

or
Via Car Power Plug

1. Connect the 12V Car power plug to the vehicle cigarette lighter socket.

2. Connect the other end of the car power plug to the power socket at the bottom of the FM Transmitter.

3. The red LED power indicator on the car power plug will light up indicating there is power to the device.

Switch FM Transmitter ON/OFF

Press and hold the Power Button for 2 seconds to switch the FM Transmitter ON/OFF.

Connecting to iPod or other portable audio devices

3.5mm Stereo connection

1. Connect the 3.5mm Stereo Connector from the FM Transmitter to the headphone socket on the audio device.

USB Connection

2. When the FM Transmitter is connected to the car power plug, you can power USB devices via the USB charging port at the top of the FM Transmitter.

Time Display / FM Transmitter mode

1. When the FM Transmitter is switched ON press the power button to switch between the Time Display and FM Transmitter modes.
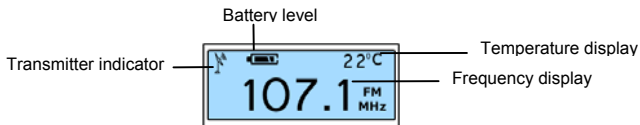
Time Display

Battery level .... Temperature display
22°C
3:15 .... Time display

Setting the time

1. Press and hold the ● Select button, the hour display will begin to flash.

2. Press the Frequency Select △ or ▽ to adjust the Hour display.

3. Press the ● Select button, the minute display will begin to flash.

4. Press the Frequency Select △ or ▽ to adjust the Minute display.

FM Transmitter mode

Battery level

Transmitter indicator

Temperature display

Frequency display

$$107.1 \text{ FM MHz} \quad 22°C$$

Selecting a frequency

1. Press the Frequency Select △ or ▽ buttons on the transmitter to select a between 88.1 MHz to 107.9MHz.

2. Select the "FM Band" on the Car stereo and tune to the same frequency as selected on the FM Transmitter.
   Select the corresponding frequencies that offers the clearest possible signal.

3. Play a song from your audio device, the selected song should now play through your car stereo speakers.

Storing a frequency

1. Select an FM frequency using the Frequency Select buttons.

2. Press and hold the ● Select button to enter **M** memory storage mode.

3. The selected frequency will now be saved to the next memory position (1,2,3..etc.).

Recalling a stored frequency

1. Press the ◀ or ▶ select buttons on the FM Transmitter to scroll through the stored frequencies 1- 10. The stored frequency will be selected automatically.

Auto Switch Off

If the FM Transmitter detects no audio input after a duration of approximately 60 seconds, the FM Transmitter will automatically switch OFF.

TROUBLE SHOOTING GUIDE

- No sound will play through to the car stereo speakers:

  - Check the frequency on the car radio is the same as the frequency selected on the FM Transmitter.

  - Try selecting another available frequency on the FM Transmitter and tune the same frequency to your car stereo.

  - Check the volume on the car stereo.

  - Check the volume on the MP3 player / Audio device.

  - Check the car stereo band is tuned to FM.

- FM Transmitter will not turn ON or OFF:

  - Check the Power Button is being held long enough (2 Seconds).

  - Check the connections to the vehicle cigarette lighter socket and audio device

  - Please try using another set of batteries

  - Check fuse in power plug adaptor

Section 15.105 Information
For a Class B digital device or peripheral, the instructions furnished the user shall include the
following or similar statement, placed in a prominent location in the text of the manual:
NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
-- Reorient or relocate the receiving antenna.
-- Increase the separation between the equipment and receiver.
-- Connect the equipment into an outlet on a circuit different
from that to which the receiver is connected.
-- Consult the dealer or an experienced radio/TV technician for help.

Section 15.21 Information to user.
The users manual or instruction manual for an intentional or unintentional radiator shall caution the user that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Should you have any connection or setup problems with the Universal FM Transmitter w/LCD please contact our Technical Support Hotline on +44 (01923) 471 000 – National call rates apply or E-mail support@logic3.com