IL-C5FM

UNIVERSAL IOS LIGHTNING ADAPTER FOR C5FM RADIO

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Requirements:
C5 FM RADIO

Introduction

Thank you for choosing the IL-C5FM as your audio input solution. The IL-C5FM is designed to provide the connecting link between your Apple IOS device and the C5 radio. Using the supplied accessories, you will be able to connect, charge and play all Apple IOS devices (Except Nano 7G) through the C5 radio FM band
The IL-C5FM; (unlike wireless FM transmitters) connects directly to the radio antenna socket to provide high quality sound as you would expect from a commercial FM radio station without having to switch between stations when traveling through different areas. .
See Frequently Asked question at the end of this guide for more details.

Installation

The IL-C5FM is designed to install in line with the radio antenna connection usually located on the back of the radio.

Radio removal required. (*Click links below for radio removal video)*
https://www.youtube.com/watch?v=Gcrlufolctc
https://www.youtube.com/watch?v=WTbWYNJTSDs

1. Locate radio 20-pin plug, press black release tab to disconnect (See **Fig. 1**)

Fig. 1

2. Connect 20-pin plug from step 1, to matting socket (white) on installation harness (See **Fig. 2**).

Fig. 2
harness

3. Connect installation harness 20-pin black/gray plug (See **Fig. 2**) to radio 20-pin socket vacated in step 1
4. Disconnect factory antenna plug from radio socket (See **Fig. 3**)

Fig. 3

5. Connect factory antenna plug (See **Fig. 3**) to included antenna socket in **Fig. 4** marked "TO ANTENNA"

Fig. 4

6. Connect included antenna plug in **Fig. 4** marked "TO RADIO" to vacated antenna socket on radio (in step 4). **Ensure plug is fully seated.**

7. By default, the modulator tuning frequency is set to 87.9MHz. If use wished to switch to 88.3MHz; locate frequency switch (top left), insert small screwdriver etc. to move switch to desired frequency (See **Fig. 5**)

87.9MHz △ 88.3MHz
Tuning Frequency

Fig. 5

8. Install include toggle switch (See **Fig. 6**) in an accessible area **(See FAQ on page 4)**

Fig. 6

9. Secure module behind radio cavity and proceed to next step.
10. Make note of frequency selection from step 7 as it will be needed in Bluetooth operation section below.
11. Connect RCAs to modulator inputs (See **Fig. 7**)

Fig. 7

12. Run/route lightning plug (See **Fig. 8**) to desired location on dashboard, glove box, console etc. (within 4 ft. of radio). *Use caution to not cut, pinch or crimp the cable during this step.*

Fig. 8

13. Secure lightning cable in a location away from heat, humidity, moving parts, or sharp metal objects. **Damage to lightning plug may occur if subject to abuse.**

Operation

1. Turn ignition and radio "ON"
2. Select radio FM Band
3. Tune radio to FM Frequency selected in step 7 above.
   Tip: Now may be a good time to store selected frequency in one of the radios memory preset buttons for easy recall.
4. Ensure toggle switch (See Fig. 6) is the "ON" position
5. Connect IOS device to lightning plug
6. Device should begin charging (if not charging go to step 4)
7. Put audio device in play mode
8. Control/select track and playlist using device built-in controls (Factory radio buttons are used to set playback level)

Warning: Playlist and Track selection is *NOT* possible from radio buttons. Use audio devices built-in controls to access and control audio files and selection

9. If correct operation is confirmed go ahead and reinstall radio

Frequently asked questions & troubleshooting

1. **Does the IL-C5FM work in all C5 radios?**
   YES; works on all Bose and Non-Bose radios. (FM band).
2. **How to I access music played from iPhone?**
   Turn radio to FM band and tune to either 87.9 or 88.3 MHz
   For easier access we recommend storing the selected frequency to a radio present button.
3. **Do you offer a music streaming option for C5 without CD changer**?
   YES, See our A2D-C5FM
4. **After connecting everything, playback is noisy/humming. Any ideas?**
   Ensure audio device volume is set to 90% or more.
5. **What is the difference between this FM modulator and FM transmitter?**
   FM modulators connects directly to the C5 radio antenna socket (input) to **provide high quality FM sound as you would expect from a commercial radio station**. FM transmitters send its signal over the airwaves, picked up by the antenna mast prone to interference depending on weather conditions, topology, and landscape.
6. **How good is the sound quality from this module?**
   Contrary to what you may have heard, the modulator included in this kit sounds very good and far better than FM transmitters which are subject to noise and interference.
7. **It is possible to install the IL-C5FM at the 10-pin plug in trunk/hatch?**
   NO; the IL-C5FM installs at the radio (Radio removal required).
8. **Can I control smart device from radio buttons?**
   NO; you **must continue to use audio device built-in controls** and radio volume control button to set playback level.
9. **Will radio mute when I receive or make a phone call on my smartphone?**
   Yes. And music playback resumes after call ends.
10. **By default, the module is connected to vehicle's battery supply which means it is always "ON". Will this drain the car battery?**
    This module adds to the load already on battery and will contribute to draining battery. If vehicle is not a daily driver, please ensure toggle switch is on the "OFF" position when vehicle is not in use or during storage.

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