

FM Stereo Modulator

Model no. SEFM 700

Features:

- The transmission frequency is stable because it has PLL system FM transmitter circuit.
- Built-in the Pilot-tone system FM stereo modulator circuit
- It is possible to attempt to improve a timbre because it has the Pre-emphasis circuit, Limiter circuit and Low-pass filter circuit.
- PLL controls data input in parallel (4bits, 14ch)

Specifications:

- RF Output Level: 45dBu ±5dBu
- Transmission Frequency: 106.7, 106.9, 107.1, 107.3, 107.5, 107.7, 107.9MHz
(7 Channel – 200KHz Step)
- Audio Input Level: 1.5V RMS
- Audio Input Frequency: 20Hz to 15KHz
- Pre-emphasis time constant: 50u/sec
- Stereo Channel Separation: 40dB
- Total Harmonic Distortion: 0.3% Maximum
- Stereo Channel Balance: 0dB ±2dB
- FM Modulation Depth: 75KHz at L+R+Pilot
- Sub Carrier Rejection Ratio: -30dB
- Low-pass Filter Cut Off Frequency: 15KHz (-3dB)
- FCC Version
- Dimensions: 86W x 29H x 46Dmm
- Weight: 150g

Accessories

Audio Input Cable (6Pin DIN):	1pc
Power Cable:	1pc
Antenna Cable (Y-Type):	1pc
Mounting Screw (M3 x 12mm):	2pcs
Owners Manual:	1pc

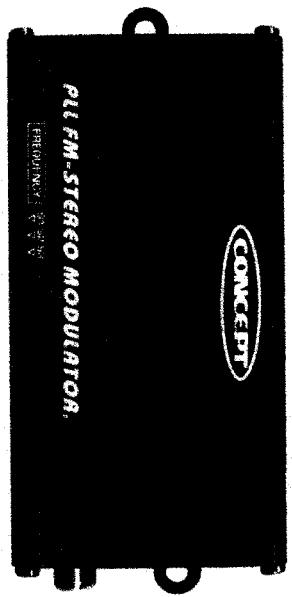
WARNING

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.

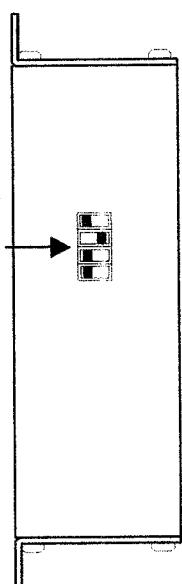
Instruction Manual

PLL FM Stereo Modulator

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INTERFERENCE ON 107.9MHz:
If interference experienced is on 107.9MHz, change the position of the frequency select switch on the side of the FM Stereo Modulator and tune the radio to 106.7 ~ 107.9MHz.



FREQUENCY SELECTOR SWITCH

1	2	3	4	Frequency(MHz)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	106.7
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	106.9
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	107.1
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	107.3
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	107.5
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	107.7
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	107.9

INSTALLATION

The FM Stereo Modulator must be mounted within 24inches of your radio so that its power cable can reach the radio power antenna lead. It can be fixed to any flat surface behind the instrument panel with two 3mm tapping screws.

Your final choice of location should allow for the insertion or removal of the 6pin cable from the FM Stereo Modulator Unit. Also, the FM Station Frequency Selector Switch is located on the side and you may wish to change it after your initial checkout or sometime in the future.

FM RADIO FREQUENCY PRESET:

The FM Stereo Modulator can operate on from 106.7MHz to 107.9MHz.

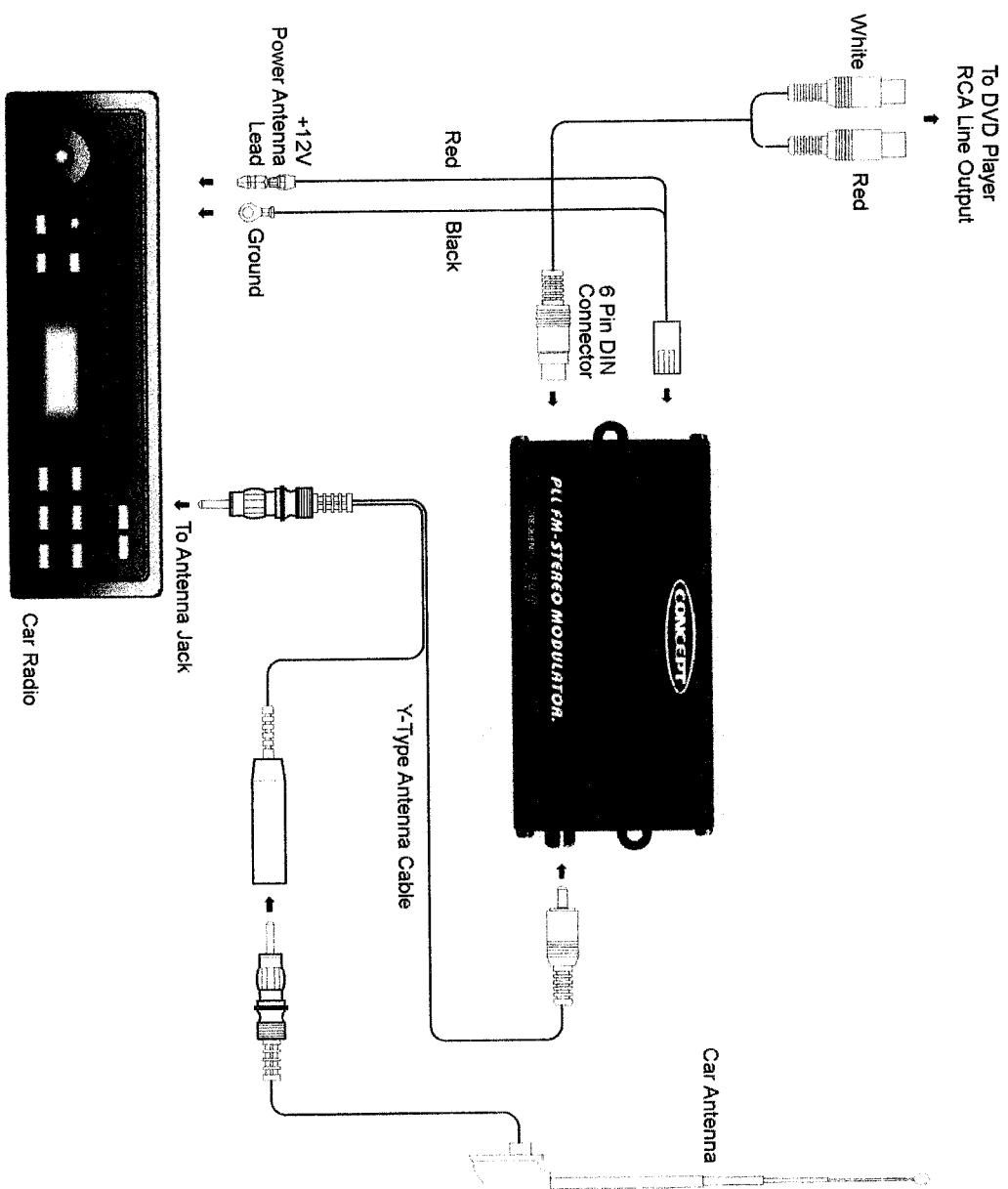
(7 Channel - 200KHz Step)
The Frequency Selector Slide Switch is on one channel of the Modulator and was set 107.9MHz at the factory. Assuming it is still there, turn on the car stereo and select FM band operation. Tune the radio to 107.9MHz(depending on frequency to which the installer has set the unit), or push the pre-set memory button.

SPECIFICATIONS:

Frequency:	106.7MHz to 107.9MHz (7 channel - 200KHz Step)
RF Output Level:	50dB _u
S/N Ratio:	65dB
Stereo Separation:	40dB
FM Modulation Depth:	75KHz at L+R+Pilot
Operating Voltage:	10V ~ 16V DC
Dimensions:	84W x 29H x 46Dmm
Weight:	200g

► Specifications and design are subject to change without notice.

Wiring Connection



Installation

