LexCom® Home
Instructions for PC Player PCP110

Included in this package:
1 Pcs PC Player PCP110
1 Pcs 230 VAC / 12 VDC Power Adapter
1 Pcs Stereo Audio Cable (2xRCA - 3,5mm jack)

Application
The PC Player PCP110 is a single channel FM stereo modulator with balanced outputs dedicated for the LexCom Home system.

The PCP110 can be connected to any audio source and creates from the LF signal a FM radio channel that can be distributed with in the LexCom Home system, which can be received at any radio or stereo Hi Fi unit, connected to the system.

The PCP110 is especially dedicated to distribute stereo audio signals from your home PC (such as MP3 music, Internet radio, movie sound etc.). The principal illustration on the back shows how the individual units are installed in the system.

Installation
- The PCP110 has two input jacks (RCA) for the audio line (marked "L" and "R"). These are connected to the PC sound card (audio output) or to the audio equipment in question.
- The PCP110 has an RJ45 **output** supplying the FM radio channel (marked "AV link"). The output is connected to a separate wall outlet using a STP patch cord (min cat. 5).
- Further, the output signal is distributed into the AV link port of the multimedia amplifier mounted in the distribution centre.
- The power adapter is connected to the 12 VDC power input.
- Further an IR link output is available on the PCP110 in case the Audio source can and shall be operated from a remote control (requires installation of LexCom Home IR link system).

Configuration
The PC Player PCP110 modulates the incoming LF Stereo signal to a Stereo FM radio channel.

The PCP110 has a chart of 84 pre-programmed radio channels (frequencies) that can be set as output. The radio frequency to be selected (programmed) depends on which frequencies already are occupied and which are free (not used by existing radio stations) in the FM band of the antenna signals.

In the PCP110, 4 main frequencies can be selected, these are 90 MHz, 95 MHz, 100 MHz and 105 MHz. Around these main frequencies, in steps of 0,1 MHz, another 10 channels above and 10 channels below can be selected.

The total range of possible frequencies is:

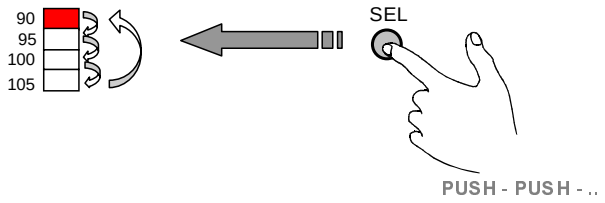
89,0 - 91,0 MHz (21 channels)
94,0 - 96,0 MHz (21 channels)
99,0 - 101,0 MHz (21 channels)
104,0 - 106,0 MHz (21 channels)

Once a suitable radio channel (frequency) has been determined, this has to be set in the PCP110.

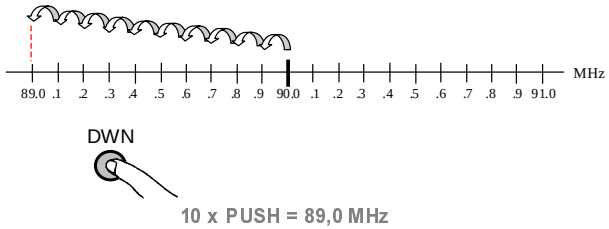
The 3 push buttons marked "UP", "SEL" and "DWN" are used for the programming purpose. Pressing the "SEL" button for min. 2 seconds starts the programming - and having not pressed any button for 10 seconds exits the programming again.

"SEL"
This push-button both enables the programming mode and afterwards shifts between the 4 main frequencies at each time being pressed.

First, keep the button pressed for more than 2 seconds to enable programming. Secondly, press the button a number of times until the desired main frequency is reached.



"DWN"
Each time being pressed, this button shifts 1 channel down (of 0,1 MHz) from the main frequency selected. 10 steps are available moving 1 MHz down in total.
When pressed more than 10 times no action is caused and an indication of this is shown by flashing 2 times the LED.



"UP"
Each time being pressed, this button shifts 1 channel up (of 0,1 MHz) from the main frequency selected. 10 steps are available moving 1 MHz up in total.
When pressed more than 10 times no action is caused and an indication of this is shown by flashing 2 times the LED.

The radio channel is set to 90,0 MHz.

The PCP110 will always memorise the radio channel programmed while powered off, and will continue to send out the latest programmed channel when powered up again.

All stereo Hi Fi receivers connected to the system can now receive the stereo signal from i.e. the home PC, once these are tuned in to the radio channel of the PCP110.

Adjustments

No adjustments of the PCP110 are necessary. However, if the sound is significantly distorted it may be caused be oversteering of the PCP110 input. This should be adjusted from the volume control of the PC connected (or other audio equipment).

Technical Specifications

Power Supply	12 VDC (external)
Current	70 mA max
Audio Bandwidth	30 Hz – 18 kHz
Input Levels	775 mV rms / (0 dBm)
Input Impedance	47 kOhm
Output Level	75 dBuV
Output Impedance	100 Ohm
Frequency Band	89 – 106 MHz
Pre-emphasis	50 uSec
Distortion	0,4 %
Signal – Noise Ratio	66 dB
Channel Separation	28 dB
Shielding	> 55 dB
Size (WxDxH)	169x84x49 mm
Weight	0,65 kg
EMC Standards	EN 55020 89/336/EEC

Principal Installation