

Roberts WM-202 – Software Updates

This version dated 14th April 2010

This document describes software updates for the WM-202 Internet Radio and Media Player.

The installation of any software update to your radio is optional. If you are happy with your WM-202 as it stands, then you need do nothing. But if you wish to take advantage of the new features, please follow the instructions in your instruction book in the section titled "Software update" (page 64 in issue 1, page 68 in issue 2). The process should take you only a few minutes.

Do not attempt to update the software in your radio unless you have the radio connected to a reliable mains supply and the radio has been connected to your router and to the Internet via a reliable Wi-Fi link or using the wired Ethernet connection. We do **not** recommend carrying out the update while running your radio using batteries.

Radios with recent versions of software will automatically detect the availability of the update and will ask you if you wish to accept the new version. Alternatively, you may initiate the update via the System Settings menu.

Note that the software update process is in two parts. First, the radio downloads the new software from the Internet. This should typically take between 15 seconds and 2 minutes or so depending on the speed of your Internet connection. After downloading and verifying the new software, the radio then reprograms itself. It is important during this second phase that the power to the radio is not removed until after the update has completed. Depending upon the software version in your radio prior to the update, these two phases may appear to be a single process. Once the software update is completed, the radio will prompt you to press **Select** to restart. Press the **Tuning/Select** control and your radio will then restart.

VERY IMPORTANT: Do not switch off the power to the radio until the update operation is complete and the radio has restarted, otherwise the radio may become permanently damaged.

You may find that you will need to reconfigure your network connection following an update. You may also need to re-enter all radio station presets, alarm settings, and configuration options. If your radio fails to reconnect to your network after the update, please carry out a Factory Reset (in the System Settings menu, accessed using the **Menu** button).

If the clock on your radio is an hour behind after the update, then you may need to configure the Daylight Savings option in the radio (GMT/BST setting). This is in the Time/Date menu, accessed from the System Settings menu. Set the option to ON if the radio's clock is an hour behind.

The updates in this document are listed in order of their dates of introduction.

Update 26th August 2009

The version number for this update is *ir-mmi.rob.ven6-wm202_V1.5.5.18606-UK_4B14*

This update provides several feature enhancements to the WM-202 and also includes improvements in the underlying software. For radios which already have the enhanced user interface, there are improvements in compatibility with some internet radio station stream formats. For the majority of WM-202 radios which feature a more basic 4-line user interface it also provides the following...

1) Enhanced User Interface

- a. The user interface of the original software was based on a four line text display. All text was of the same size. The enhanced user interface makes better use of the display by using different character sizes for different levels of information, and simple graphical elements such as lines and icons to aid legibility of the display.
- b. The original user interface employed a simple hierarchy of menus which were intuitive and simple to navigate. The enhanced user interface builds on this, retaining the same hierarchical structure while providing additional information to aid the user.
- c. The time display in Standby mode is much clearer, and also provides alarm status indicators.

2) Backlight and Contrast adjustment

- a. The original user interface always ran the display backlight at full intensity except when running the radio on batteries. The enhanced user interface allows the display brightness to be adjusted to four levels - Off, Dim, Mid and High. The level may be set independently for when the radio is in use and when it is in standby.
- b. If the backlight is set to Off when the radio is in standby, then pressing a button will cause the backlight to brighten up to the active setting for a few seconds, allowing the radio to be used in the bedroom at night without the light from the display keeping the user awake.
- c. In the original user interface software, the display was set to a fixed contrast setting. This may not have been ideal in all cases. The new software allows the display contrast to be adjusted. This also has the effect of changing the optimum viewing angle which may benefit users when the radio is located at different heights.

3) Wi-Fi and Ethernet

- a. The enhanced user interface software saves electrical power by shutting down the Wi-Fi and Ethernet functions when not required. As a result battery life is extended in some operating modes by approximately 50%.
- b. The new software includes support for multiple Wi-Fi connection profiles (up to four) thus making it easier to use the radio in multiple locations when it may connect to different Wi-Fi networks.

In addition, this software update for the WM-202 includes a number of software stability and router compatibility enhancements.

An updated version of the instruction book for the WM-202 which incorporates these features and describes the enhanced user interface is now available from the Roberts Radio web site at www.robertsradio.co.uk

Update 22nd December 2010

A new firmware update is available for the WM-202 Internet Radio. The purpose of this update is to improve compatibility with the BBC's Internet Radio services.

The version number for this update is *ir-mmi.rob.ven6-wm202_V1.5.6.21635-UK_8*

Update 14th April 2010

A new firmware update is available for the WM-202 Internet Radio. The purpose of this update is to improve software stability and compatibility with a range of network and software environments.

The very small percentage of customers who experienced their radio frequently resetting should hopefully no longer see this happening. Roberts Radio would like to apologise if you were affected by this issue. We cannot go into the deeper technical details of why this was happening, but we can say that it was a function of the network configuration combined with the radio sometimes responding to interactions between multiple software elements running on computers on the same network.

The new firmware version number is *ir-mmi.rob.ven6-wm202_V1.5.6.21635-UK_9*

Roberts Radio Limited
PO Box 130
Mexborough
South Yorkshire
S64 8YT