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# Introduction To Project - Philips FM92E Manual

Conversion to 6 meters

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## Philips FM92E Conversion to 6 Meters:

Version 3.8 (14 Apr 2007)

Rod McCosker VK2DOT

# 1: Introduction to Project.

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This paper is a rough guide for the conversion of a Philips FM92E band transceiver to 6 meters. This project is for the Central Coast Amateur Radio Club's Tuesday Nite Group. The information contained within this document is derived from other Australian 6 meter conversion projects plus our own experimentation. The outcomes of this document, is to enable the easiest method to perform the conversion project. The project will take approximately 12 hours for a component technician or longer for other amateurs. The document should be able to be used by external amateurs to the club who intend to embark on this project.

On the first nite it will be determined if conversion members need a soldering refresher course and, if there are enough numbers to warrant the soldering refresher course, then the Tuesday Nite Group will conduct such a course to enable members to be able to complete this conversion. It is estimated that the Tuesday nite group will take approximately 3 months to complete this project. After each Tuesday nite, this documentation will be updated and uploaded to the VK2AFY web site, so look at the version number above. This should result in the experiences of members being included into this document.

The "Tuesday Nite Group" convenes each Tuesday nite of the month from 7:30pm till 9:00pm. The philosophy and schedule for the group is promulgated on the [vk2afy.dyndns.org](http://vk2afy.dyndns.org) web site under Tuesday Nite Projects & development - Philosophy. The meeting Schedule is under the heading – Meetings.

The EPROM for the Philips FM92E has been setup for either local or remote heads. The number of channels and the frequency range of the EPROM is 77 channels and from 52.525Mhz to 53.975Mhz. The frequency range has been setup to transmit & receive on the FM allocation within the 6 meter band. There are repeater channels, reverse repeater channels and repeater simplex channels. EPROM's will be supplied to club members who are on the course. At the end of this document is information on programming the EPROM, for external users who intend to program their own EPROM. The software for setting up the firmware is also located on the web site.

This document [6m\_con.doc or 6m\_con.pdf], the 6 meter frequency verses channel list [6m\_fre.rtf] and the EPROMs [6m?loc.bin, 6m?rem.bin, 6mtest?l.bin, 6mtest?r.bin etc] are located on the VK2AFY web site at <http://vk2afy.dyndns.org/6mconv/6mfiles.htm>. Go to the projects section, and click on the FM92E Conversion to 6 meters. These files will also be available on the main clubs computer, under the directory "D:FM92E Conversion to 6 meters". You will be able to transfer them to your USB memory stick, or print out the documentation on the club's duplex laser printer; You can also burn a CDROM or DVD with the files.

At the end of the 6 meter conversion, Bruce VK2ZAD will be conducting 6 meter antenna building nights. The 6 meter antenna will be a companion for the Philips FM92E we has just converted to 6 meters. He will be

supplying a goods required paper for building the antenna. The building of the antennas will be conducted on the following day. Downloaded from [Philips-Fm92e.html](#) on 15/09/2023 at 15:55:00. Add to my manuals. Bookmark this page. Print this page.

The FM92E conversion to 6 Meters should start on Tuesday the 6<sup>th</sup> of March 2007 at the club rooms at 7:30pm till 9:00pm. The club has a number of Philips FM92E's available for conversion. These transceivers will be free to members of the club.

Information for this conversion has been gleaned from and thus acknowledgements to Amateur Radio May 1997, Amateur Radio June 1997, VK2KFJ, VK2TMF, VK2TPH, VK6ZTJ, VK4KTP, VK4KCS, VK2XMD, VK1 Technical Group, VK3GK, VK3BYY, Blue Mountains Amateur Radio Club, SKINNY'S HOME OF RADIO, VK7ZRO plus other Australian amateurs. The information has been collected over 15 years in anticipation to conducting this conversion.

If you need to add extra information or change this document, please send the information to Rod at [vk2dot@inet.net.au](mailto:vk2dot@inet.net.au) and we will insert or change your information.



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[Transceiver Philips PRM80 Series User Manual \(/manual/1564369/Philips-Prm80-Series.html\)](#)

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