



7100 Technology Drive
West Melbourne, FL 32904
1-800-422-6281

Service Bulletin

BKSB-1041
Issue Date 6/10/15

NOTE: THIS BULLETIN APPLIES TO THE KNG-P150S KNG-P400S Only!

Issue: Not having 2 Watts function when setting to 2 Watts for Low Power setting.

Importance: Corrective action as needed.

Affected Models: KNG-P150S and KNG-P400S with Firmware version 1.4.12 or later and with S/N before S/N 15220001

Recommended Action: Download the 2 Watt Alignment Utility from RELM Service Website at http://www.relmservice.com/products/BK_Digital.asp and select either KNG-P150S (512 Ch.) or KNG-P400S (512 Ch.).

Issue Details: Some radios from the factory did not have the 2 watt capabilities set. By using the above mentioned utility, the utility will only update the radio if needed. Otherwise, no alignment parameters will be changed. Also, no programming parameters will be changed regardless if the utility updates the 2 Watt alignment value or not.

Using the 2 Watt Alignment Utility

Overview

The purpose of the KNG_2Watt_Init program is to set the alignment parameter in KNG-S Portables to allow use of the 2 Watt Low Power Transmit setting.

KNG portable radios with the latest firmware can transmit at 1 Watt, 2 Watt, 5 Watt, or 6 Watt power levels. During the factory alignment and test procedures a multiplier value is programmed into the radio for each of these power settings. The 2 Watt Tx capability was added in version 1.4.12 of the KNG firmware. However, radios aligned with the older procedure did not have the 2 Watt value set.

KNG_2Watt_Init sets this value based on the 1, 5, and 6 Watt values already in the radio. No test equipment is required.

Installation

Run the Setup utility. A shortcut to the program will be installed in the Relm Wireless startup folder.



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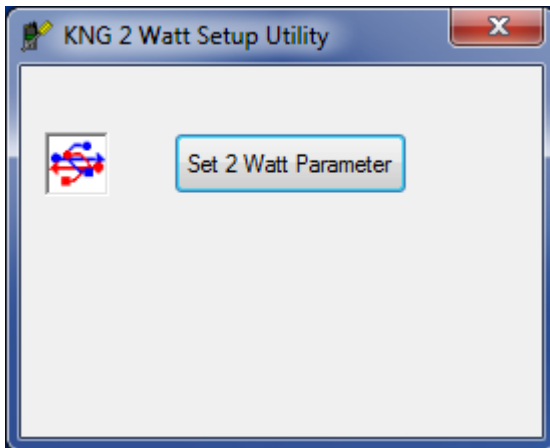
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Running the Program

1. Click the KNG 2 Watt Alignment Utility shortcut under the Relm Wireless folder. You will see this dialog window:



2. Connect the KNG-S Portable radio to the computer with a USB cable and turn the radio on. The display will change when the utility recognizes the radio connection.



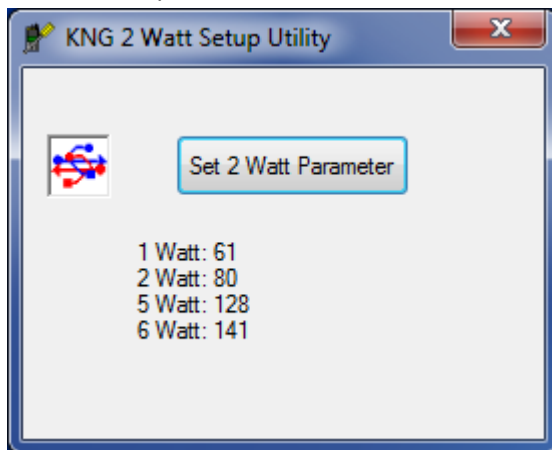


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3. Press the Set 2 Watt Parameter button. The utility will read the radio settings, calculate a new 2 Watt multiplier, and write the value to the radio.



4. Power off the radio and disconnect the USB cable.
5. Repeat steps 2 through 4 for additional radios.

If the radio already has a valid 2 Watt multiplier that value will not be changed. Also, if any of the 1, 5, or 6 Watt multipliers are invalid the utility will be unable to calculate the 2 Watt value and the radio's Tx power levels will need to be re- aligned.