PRYMEBLU PA-511 Adapter

Troubleshooting Power Issues with Kenwood Radios

The PRYMEBLU Adapter is powered by the two-way radio it is attached to. However, some Kenwood radios may require special setup in order to provide enough power to the PRYMEBLU adapter.

To test whether your Kenwood radio provides power to the PRYMEBLU Adapter, please follow these steps:

1. With the two-way radio turned off, attach the PRYMEBLU adapter to the radio and tighten the retaining screw. (Do not over tighten.)

2. Turn the two-way radio on. Wait three seconds.

3. You should see the status LED on the PRYMEBLU Adapter flash blue once every second. If it does, then the radio is providing power to the adapter and PRYMEBLU should operate normally.

If the LED on the PRYMEBLU Adapter does NOT flash, the radio is not providing power to the adapter. To remedy this, you may need to do one or both of the following steps:

1. Reprogram the Radio

Power is provided to the PRYMEBLU Adapter by pin 11 of the radio's Universal Device Connector. Some radios have special programming which prevents power from being available on this pin. Contact your local Kenwood two-way radio dealer to have the radio reprogrammed.

For most Kenwood radios with 4-digit model numbers (example: TK-3180), you must set the following option using the radio's computer programming software:

Extended Function > Universal Connector Pin No. 11: *Always 5 V (high)*

For Kenwood Nexedge radios, the following options must be set using the radio's computer programming software:

Extended Function > Universal Connector Pin No. 11: *HRS Adapter*

After making this programming change, most newer Kenwood radios should provide enough power for the PRYMEBLU Adapter to operate.

2. Modify the Radio

Some older Kenwood radios with 3-digit model numbers (example: TK-290 or TK-380) have a current-limiting resistor inside the radio. This resistor lowers the power available to accessory devices such as the PRYMEBLU Adapter. Some radios provide as little as 30 mA of current.

In order to provide enough power for the PRYMEBLU Adapter, these radios must be modified and the current-limiting resistor must be replaced with a resistor of a lowervalue, allowing more power to be available to the accessory port. The PRYMEBLU Adapter requires approximately 80 mA of current at peak draw.

Contact your local two-way radio dealer or PRYME technical support in regards to this modification. Modifying your two-way radio may void the warranty, even if the modification is done correctly. PRYME Radio Products is not responsible for any damage or loss which may occur. Modifications should be done by a trained two-way radio technician only.

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