

Fresenius Medical Care North America Service Bulletin

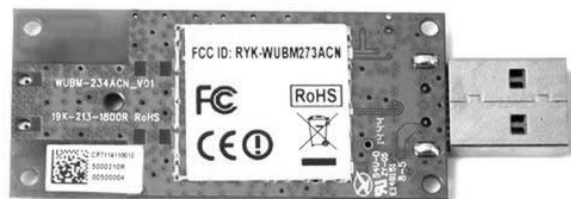
Equipment: 2008T Hemodialysis Machines
Bulletin: 22-FRT-001 Rev A
Subject: Dual Band 802.11 ac/a/b/g/n Wireless Network Adapter

1.0 PURPOSE

To inform all Field Service and Technical Support personnel of a change to the Wireless Network Adapter used in the 2008T hemodialysis machine and the possible need for a new device driver for the CDX™ Operating System.

2.0 SCOPE

The 802.11 b/g Wireless Network Adapter (P/N 365043-13) and Dual Band 802.11 b/g/n Adapters (P/N 190911 & P/N 191231) used in the 2008T hemodialysis machine are no longer available. Replacement model is a Dual Band 802.11 ac/a/b/g/n Adapter shown in Figure 1. The part number under the image is for the kit, which include this Field Service Bulletin, the Wireless Network Adapter and a FCC/IC Label for the rear of the card cage.



Model: WUBM-273ACN
P/N 191364

Figure 1

3.0 PROCEDURE

Installation:

Caution: ESD precautions required.

This new Wireless Network Adapter replaces all existing wireless adapters. The wireless adapter is located inside the card cage behind the keypad and mounts with two (2) screws and a plate. In most cases, removing one of the screws and pivoting the plate will allow for replacement of the adapter. Unplug the existing adapter from the USB connector, plug in the new one and reattach the plate. Once replaced, a new device driver may be required. See the Device Driver Requirement section on the next page.

Device Driver Requirement:

Due to CDX™ Operating System requirements, a new device driver may be required for proper recognition and function of the new Wireless Network Adapter.

Linux Operating System

The new Wireless Network Adapter is compatible with older kernel versions, however, only kernel 4.19 (Lubuntu v19.04) has the required driver built-in. Installation of a distribution using kernel version 4.19 or later is recommended.

There are a couple of ways to install a compatible kernel for the new Wireless Network Adapter:

- USB updater (P/N 191299) will update the current operating system to a version with the required kernel.
- An mSATA drive (P/N 191297) is a replacement drive with a compatible Linux Operating System installed with the required kernel. This is only optional for Gen 3 CDX™.

Windows Operating System

The Windows 10 Operating System includes the required device driver for the new Wireless Network Adapter. A new device driver is not required.

FCC/IC Label Placement:

Note: For proper adhesion, clean the surface of the card cage prior to affixing label.

Once the new Dual Band 802.11 ac/a/b/g/n Wireless Network Adapter is installed, locate and affix the model specific FCC/IC Label included in the kit to the rear of the card cage. Refer to Figure 2 for correct placement. If an FCC/IC Label already exists on the card cage, either remove it or mark through it before affixing the new label.

Note: Affix the correct FCC/IC Label for the model of Wireless Network Adapter installed.

- Use label P/N 490436

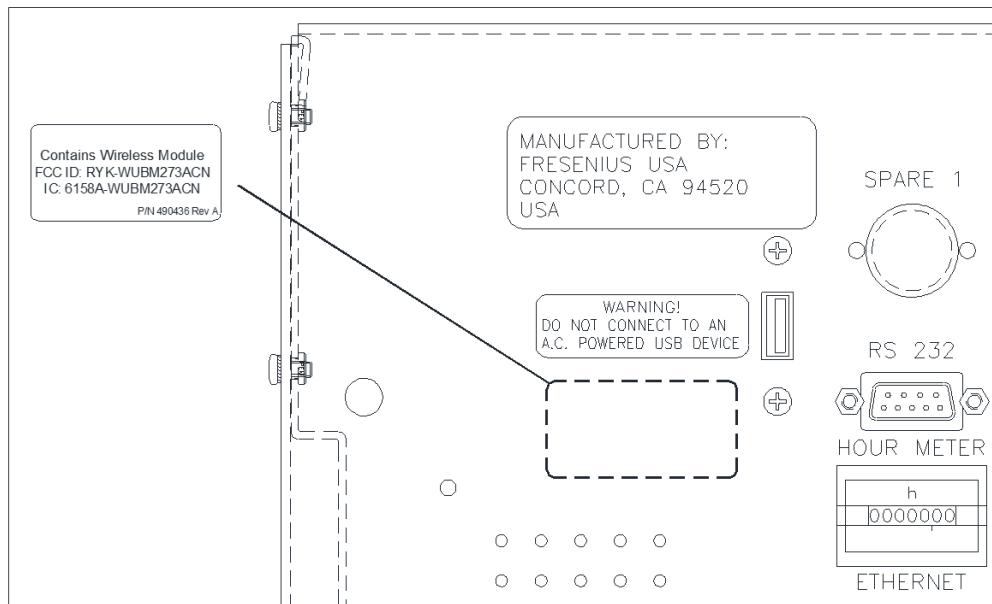


Figure 2

If there are any questions regarding this bulletin, contact Fresenius Medical Care Technical Support at 800-227-2572.