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## **Certification Exhibit**

**FCC ID: VEYXMODR1**

**FCC Rule Part: 15.247**

**ACS Project: 13-2019**

Manufacturer: xG Technology, Inc.

Model: xMod

## **User Manual**



# xMod Users Manual



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## **Introduction**

The xMax xMod device is a wired/wireless bridge between xMax and 802.11 protocols. Its primary function is to allow Ethernet or WiFi enabled devices to connect to an xMax network. This manual provides basic setup and operational instructions for the xMod unit.

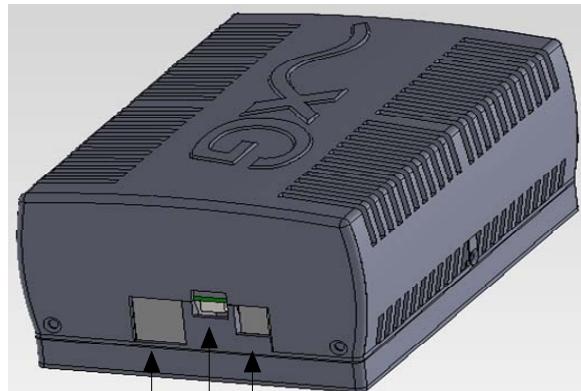
## **Box Contents**

The xMod device is shipped with the following items.

			
xMod Device	AC Adaptor	Ethernet Cable	USB to USB Micro Cable

## **Hardware Overview**

The xMod device is a self contained 802.11b/g access point and xMax modem. The xMod 802.11 AP is a full featured “hot” spot allowing connection by up to 5 users. The xMod has Ethernet, USB and Power connectors.

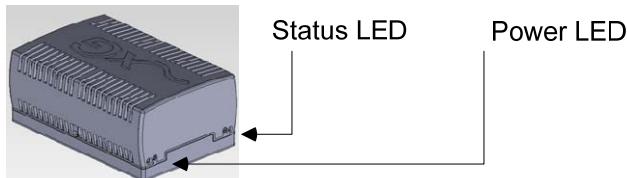


Ethernet Connector

USB connector

Power Connector

The xMod device has 2 LEDs, a status LED and Power LED. The definition of the LED states is listed below.



Power LED	Status LED
Solid Green- Device Powered	Solid Green- Registered with system
	Flashing Green- Registering
	Orange- No xMax signal
	Red- Device Fault

## Configuring the xMod for the First Time

- Connect the power cord to the AC adaptor.
- Plug the AC adaptor into the barrel connector on the xMod device.
- Using the Ethernet cable provided connect a Laptop or Desktop to the Ethernet connection on the xMod device.
- Plug the AC adaptor into a wall power outlet. The power LED should light and turn green. The Status LED should light solid green or orange within 2 minutes.
- Configure the web browser on the laptop/desktop for a static IP address 169.254.80.100. Within 2 minutes of xMod power the Ethernet port will be enabled.
- Direct the browser to IP address 169.254.80.101. A user name/password screen should appear. The default user name is admin with a blank password.
- On the configuration screen, change the password.
- Continue to the wireless settings page. Change the SSID and WEP key as desired.
- Hit update and the xMod will reset.
- After 2 minutes and assuming the xMod device is in range of the xMax network, the xMod device will be functional and provide 802.11 connections to wireless devices.

## Connecting the xMod device to the xMax Network

This step assumes that the xMod device has been configured for the first time.

- Power the xMod by connecting the AC power adaptor.
- Observe the status LED.
- If after 2 minutes the status LED is steady green lit, then the xMod is connected to the xMax network and ready to begin operation.
- If the Status indicator is Orange check to see if you are within range of an operating xMax network

Using a WiFi enabled device, configured for DHCP operation, connect to the SSID that was configured in the previous step. When connected you are able to begin data operations like web browsing.

## **Safety Notices**

- Read, follow, and keep these instructions.
- Heed all warnings.
- Only use attachments/accessories specified by the manufacturer.

## **Electrical Safety Information**

- Compliance is required with respect to voltage, frequency, and current requirements indicated on the manufacturer's label.
- Connection to a different power source than those specified may result in improper operation, damage to the equipment or pose a fire hazard if the limitations are not followed.
- There are no operator serviceable parts inside this equipment. Service should be provided only by a qualified service technician.
- This equipment is provided with a detachable power cord which has an integral safety ground wire intended for connection to a grounded safety outlet.
- Do not substitute the power cord with one that is not the provided approved type. Never use an adapter plug to connect to a 2-wire outlet as this will defeat the continuity of the grounding wire.
- The equipment requires the use of the ground wire as a part of the safety certification, modification or misuse can provide a shock hazard that can result in serious injury or death.
- Contact a qualified electrician or the manufacturer if there are questions about the installation prior to connecting the equipment.

## **Compliance**

“NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio/TV technician for help.”

### **RF Exposure**

"This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter."

Warning: Changes or modifications to this device not expressly approved by **xG Technology** could void the user's authority to operate the equipment.

### **Warranty**

Limited Warranty  
xMax Product  
xG Technology, Inc. ("xG")  
240 South Pineapple Avenue, Suite 701  
Sarasota, FL 34236

#### **SCOPE OF THE WARRANTY**

xG warrants that the Product will be free from defects in materials and workmanship under normal use and service for a period of one (1) year from the date of original purchase.

The Limited Warranty extends only to the original purchaser of the Product from xG, or its authorized Resellers, and is not assignable or transferable to any subsequent purchaser or end-user. The Limited Warranty extends only to purchasers who purchase the Product in the United States of America.

xG's warranty applies only to a Product that is manufactured by or for xG Technology and identified by the xG Technology trademark, trade name or product identification logo affixed to the Product. Any products not manufactured by or for xG, but supplied under the customer's Purchase Order with xG as part of the delivered equipment, are covered under that manufacturer's standard warranty and any warranty claims should be handled directly with that manufacturer.

xG's warranty shall not apply: (i) to any Product subjected to accident, misuse, neglect, alteration, acts of God, improper handling, improper transport, improper storage, improper use or application, improper installation, improper testing or unauthorized repair; or (ii) to cosmetic problems or defects that result from normal wear and tear under ordinary use, and do not affect the performance or use of the Product.

If the Product develops a covered defect within the one-year period, xG will, at its option, either repair or replace the Product found by xG to be defective or not in conformity with material specifications, provided that the Product is returned during the warranty period.

Product that has been repaired or replaced may consist of refurbished equipment that contains used components, some of which have been reprocessed. The used components comply with xG Product performance and reliability specifications.

#### **ADDITIONAL PROVISIONS OF THE WARRANTY**

Because it is impossible for xG to know the purposes for which the purchaser acquired this Product or the uses to which this Product will be put, the purchaser assumes full responsibility for the selection of the Product for its installation and use. While every reasonable effort has been made to insure that the purchaser will receive a Product that can be used and enjoyed, xG does not warrant that the functions of the Product will meet the purchaser's requirements or that the operation of the Product will be uninterrupted or error-free. xG is not responsible for problems caused by the interaction of the Product with any other software or hardware.

#### OBTAINING SERVICE AND SUPPORT UNDER WARRANTY

To obtain warranty service or technical support, please contact the xMax dealer where you purchased the Product. Alternately, you may contact xG directly at (999-999-9999). You will receive instructions on how and where to return the Product for repair or replacement. To take advantage of this Limited Warranty you will be required to supply an original point of purchase receipt. Returned Product must be accompanied by the purchaser's sales receipt or comparable substitute proof of sale showing the date of purchase, the serial number of Product, and the sellers' name and address.

#### EXCLUSIVITY OF THE WARRANTY

This Limited Warranty Policy shall be the sole and exclusive remedy of the purchaser with respect to xG's Products. xG's sole liability on any claim arising out of the sale of the Product or xG's replacement of defective product, whether in contract, warranty, tort, or otherwise shall be limited to the purchase price of the goods that prove defective or nonconforming. In no event shall xG be liable for, and purchaser shall hold xG harmless from, any damages, direct, indirect, or consequential, whether resulting from xG's negligence or otherwise, arising out of, in connection with, or resulting from the goods sold to the Purchaser (including, without limitation, damages, for loss of business profits, business interruption, loss of information, or any other pecuniary loss), and any and all claims, actions, suits, and proceedings which may be instituted in respect to the foregoing, including those made by subsequent owners and users of the goods. In no event shall xG be liable for any alleged negligence, breach of warranty, strict liability, incidental or consequential damages, or any other theory, other than the Limited Warranty set forth herein.

xG neither assumes nor authorizes any of its dealers, representatives, or any other person or entity to assume for it any other obligation or liability beyond that which is expressly provided for in this Limited Warranty.

**xG MAKES NO WARRANTY OTHER THAN THE LIMITED WARRANTY REFERRED TO HEREIN. THIS LIMITED WARRANTY IS EXPRESSLY IN LIEU OF ANY AND ALL OTHER EXPRESS OR IMPLIED WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, AND IT CONSTITUTES THE ONLY WARRANTY MADE WITH RESPECT TO THE GOODS COVERED BY THESE TERMS AND CONDITIONS. xG SHALL UNDER NO CIRCUMSTANCES BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES.**