



FCC License Note

The radio equipment you have purchased requires FCC licensing. Applications can be found online at <http://wireless.fcc.gov/uls/index.htm?job=home>. This site provides application instructions, forms, payment information of filing fees, which all can be transmitted electronically. Please call the FCC directly for help when filling out these forms. Their number is 1-877-480-3201, option #2.

The information in the table below provides Mentor Radio's FCC identification information on its products. This information may be needed when you make the online application and is provided below for your assistance.

The Mentor Radio model identification is not the same as the FCC Identification. The first table below gives the FCC Identification and the transmitter power for Mentor Radio models. For all Mentor Radio transmitters enter "6K00A3E" for "emission and bandwidth" ("0" is a numerical zero, not the letter following "N"). You may be asked for a "Class of Station". The second table below can help you select your Class. You must apply for a frequency that the FCC permits for your selected class. Some of the permissible frequencies are listed below.

For a complete listing of available frequencies, consult the FCC rules, Part 87.173 (available online at <http://www.wireless.fcc.gov/rules.html>). In the United States, all aviation band transmitters must be licensed by the Federal Communications Commission (FCC). The M2115-25 and M2115-50 each contains two different pieces of equipment which must be listed on the application. Do not list the M2115-25 or M2115-50; list the following:

Model	FCC Identification (Enter on Application)	Output
M2115M	QQTM2115	10 watts
M2115B	QQTM2115	10 watts
M2115B-25	QQTM2115 & QQTPA25	25 watts
M2115B-50	N/A	50 watts
M15 (Discontinued)	QQTM15	5 watts
MB (Discontinued)	QQTMB	10 watts
M15-25 (Discontinued)	QQTM15 and QQTPA25	25 watts

Class of Station	FCC Code	Mentor Radio Models	Typical Use	Frequencies Available
Aeronautical Advisory	FAU	M2115B, M2115B-25, M2115-50, M15	Unicom	No tower: 122.700, 122.800 Tower on field: 122.950 Heliport: 123.050, 123.075
Aeronautical Multi-com	MFL	M2115B, M2115B-25, M2115-50, M15	Air/Ground	Coordination 122.850, 122.900, 123.100
Search & Rescue	SAR	M2115B, M2115B-25, M2115-50, M15		123.100
Aviation Support	FAS	M2115B, M2115B-25, M2115-50, M15	Flight Schools, Soaring	123.300, 123.500, 121.950
Aero. Utility Mobile	MOU	M2115M	Airport vehicles Gnd. Cont. & tower frequencies	
Aeronautical En-route	FA	M2115B, M2115B-25, M2115-50, M15	ARINC, Corp.	128.825 to 132.000
Flight Test	FAT	M2115B, M2115B-25, M2115-50, M15	Manufacturers	123.200, 123.225
Control Tower	FAC	M2115B, M2115B-25, M2115-50, M15-25	numerous	118.000-136.975

These devices comply with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) these devices must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by Mentor Radio, LLC could void the user's authority to operate the equipment and voids the manufacturer's warranty. With each new M2115B, there are instructions included on how to complete Form 406 online at the FCC Internet web site. If the M2115B-25 or M2115B-50 is to be used on a channel in the frequency range of 128 to 132 MHz (the "en-route" channels), the license application is handled differently. Both the assignment of specific frequencies and the completion of Form 406 are done by Aeronautical Radio Incorporated (ARINC), a private organization which contracts to the FCC to manage this part of the spectrum. For use of an aeronautical en-route frequency (128 to 132 Mhz), call the ARINC Call Center at 800-633-6882. ARINC (Aeronautical Radio, Inc.) coordinates frequency assignments with the FCC. Prior to assigning a frequency, your company will need to sign an ARINC contract. Your company must designate a Contract Officer and Station Representative who will be responsible for the establishment and operation of the radio station in accordance with the terms of the contract and the ARINC Ground Station Manual.

Once ARINC has received the necessary information from you, a license application will be sent to the FCC, who will in turn issue the station license. The original is sent to ARINC. ARINC will send you a copy. The entire process takes about 90 days. An interim temporary license, which is valid for 90 days, may be obtained from ARINC for a one-time charge. You pay the FCC license fee to ARINC, who in turn pays the FCC. Frequencies are assigned on a shared basis for air/ground operational control communications. Personal communications are not permitted. Please contact ARINC directly for current rates and applicable fees.