



INSTRUCTION MANUAL

QT Series

QTM-II Upgrade Programmer

Model:	Stock No.	Description
QTM-II-UPPRG	6236	QTM-II High Definition Upgrade Programmer

Accessories:

QTMHD-UPG	6241-UPG	QTM-II HD Upgrade License
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(Minimum & Increments of 10 required)



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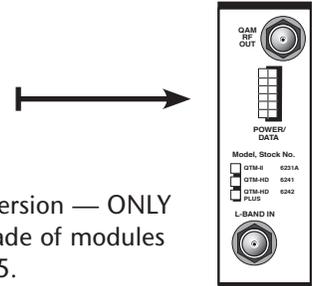
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Introduction

The Blonder Tongue QTM-II Upgrade Programmer is a custom hardware appliance to permit the firmware upgrade of standard definition QTM-II units to high definition capable QTM-HD units. The handheld Upgrade Programmer is pre programmed with the purchased number of module upgrades and decrements the count for each unit upgraded.

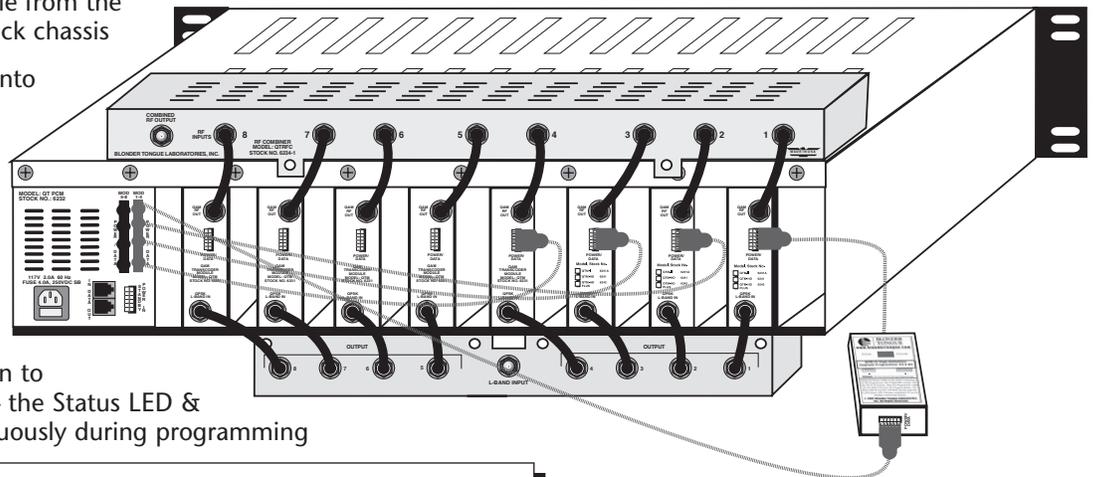
Prior to attempting installation, Verify the module for the desired upgrade is appropriate for upgrade. You can visually inspect the rear panel of the unit. If the rear panel contains the check boxes (as illustrated) for the QTM-II the unit can be upgraded - make sure the QTM-HD box is not checked.



You may also verify the ability to upgrade the module by checking the module firmware version — ONLY QTM/QTM-II units containing module firmware version 1.0 are capable of upgrade. Upgrade of modules with V. 1.8 or 3.4 are not eligible. After upgrade the firmware version will change to V. 3.5.

Wiring & Operation

- Unplug the Power/Data cable from the QT-PCM to QTM-II in the rack chassis
- Plug the Power/Data cable into the Programmer Unit
- The 2-digit LED will light indicating the number of available licenses
- Connect the Power/Data cable from the Upgrade Programmer into the QTM-II Unit
- Push the "PROGRAM" Button to upgrade the QTM-II Unit — the Status LED & 2-digit LED will flash continuously during programming



DO NOT disturb the unit during programming

- The Status LED will turn to solid green when the programming is complete
- Upon completion of upgrade programming for each respective module, check the QTM-HD box on the rear panel with a permanent marker and replace the front panel with the new QTM-HD panel supplied
- It is recommended to reboot the QT-PCM power supply for the entire rack after completing the upgrade process for all the desired units in a particular rack - The license upgrade does not erase unit programming and after reboot the QTM unit will return to the previous programmed state

NOTE: If the programming upgrade of a module fails during the process the LED will turn red. The red LED also indicates the QT Module can not be upgraded.

- After each upgrade the Upgrade Programmer License Count will decrease by one (1) upon valid programming completion
 - The Upgrade Programmer has a built-in capability to automatically detect a QTM-II unit that has already been upgraded and will not allow a user to program this unit twice — the LED will turn red if you attempt to program an upgraded unit again
 - NOTE: *The QTM-II High Definition Upgrade Programmer unit has the capability to auto-detect if a QTM/QTM-II contains the appropriate firmware eligible for a license upgrade - upgrades are limited to units with version 1.0 only. The Status LED will turn red if a license upgrade is attempted on a inappropriate unit and will not decrease the usable license count.*
- When the purchased quantity of firmware license upgrades are reached the LED will turn red immediately after pressing the "Program" button
 - Each individual Programmer unit can support up to 99 license upgrades and can be returned to Blonder Tongue for additional License upgrade purchases to be added

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