

## New RM024 Modules Replace LT2510 Modules

September 21, 2012

To Our Valued Customers:

Laird Technologies is pleased to announce the RM024 Series of 2.4 GHz Range-Amplified MultiPoint (RAMP) modules. RM024 modules are drop-in replacements for the LT2510 Series of modules. With a more efficient design, the RM024 offers all the range of the LT2510 modules with decreased current consumption. RM024 modules are fully compatible with LT2510 modules and over time will gain additional functionality via free firmware upgrades. These new features for the RM024 will include:

- Enhanced Sleep modes
- Encryption with 128 bit AES
- More reliable RF link with the addition of Forward Error Correction (FEC)
- Remote AT commands

The RM024 modules are designed for drop in replacement into existing devices using LT2510 modules:

- The RM024 Series offers the same pinouts and electrical characteristics as the LT2510.
- The pluggable versions of the RM024 are 2.29 mm wider and 3.55mm longer than the pluggable versions of the LT2510 but have identical pin placement and identification.
- Because the RM024 uses different active components than the LT2510, it will have different FCC and CE identifications. Devices upgrading to the RM024 will need to have regulatory identification that are different than those of the LT2510.
- Differences between the RM024 and the LT2510 will be detailed in the Integration Guide for the RM024.

RM024 samples and evaluation kits are available for immediate shipment and are free of charge to LT2510 customers. Contact your Laird sales manager today to begin your evaluation. Orderability for the RM024 modules begins October 15, 2012 with full production scheduled for December 10, 2012.

Due to the abrupt discontinuation of the Anadigics power amplifier on LT2510 modules, this series of modules must be discontinued. Laird has a limited number of Anadigics power amplifiers in inventory and will allocate the remaining buildable quantity of LT2510 modules as best as possible as customers transition to the RM024 drop in replacements.

The LT2510 modules will remain orderable while supplies of the Anadigics power amplifiers last. To best ensure continued module availability:

- Laird urges you to evaluate the RM024 successor as soon as practical to confirm for yourself that the RM024 is a drop in replacement for your device. Laird Application Engineers will be happy to provide all necessary technical assistance during your evaluation.
- Transition production orders from LT2510 modules to the corresponding RM024 successor module (see below).

- Perform any necessary emissions testing and update your device documentation and labeling as necessary for the new RM024 FCC and CE identifiers. Laird staff will work with you to address any issues associated with this.

At your request, Laird will happily transition any current and future orders for the LT2510 to the corresponding RM024 successor module.

The table below lists RM024 modules and, for each, the LT2510 module that it replaces.

New RM024 Part Number	LT2510 Part	LT2510 Description
RM024-S125-C-01	PRM110	SMT module with 125 mW and u.FL jack
DVK-RM024-S125-C	DVK-PRM110	PRM110 Developer Kit
EVR-RM024-S125-C	EVB-PRM110-R	PRM110 RS232 Eval Board
EVU-RM024-S125-C	EVB-PRM110-U	PRM110 USB Eval Board
RM024-S125-M-01	PRM111	SMT module with 125 mW and u.FL and chip antenna
DVK-RM024-S125-M	DVK-PRM111	PRM111 Developer Kit
EVR-RM024-S125-M	EVB-PRM111-R	PRM111 RS232 Eval Board
EVU-RM024-S125-M	EVB-PRM111-U	PRM111 USB Eval Board
RM024-S50-C-01	PRM112	SMT module with 50 mW and u.FL Jack, CE Approved
DVK-RM024-S50-C	DVK-PRM112	PRM112 Developer Kit
EVR-RM024-S50-C	EVB-PRM112-R	PRM112 RS232 Eval Board
EVU-RM024-S50-C	EVB-PRM112-U	PRM112 USB Eval Board
RM024-S50-M-01	PRM113	SMT module with 50 mW and u.FL and chip antenna, CE Approved
DVK-RM024-S50-M	DVK-PRM113	PRM113 Developer Kit
EVR-RM024-S50-M	EVB-PRM113-R	PRM113 RS232 Eval Board
EVU-RM024-S50-M	EVB-PRM113-U	PRM113 USB Eval Board
RM024-P125-C-01	PRM120	Pluggable module with 125 mW and u.FL jack
DVK-RM024-P125-C	DVK-PRM120	PRM120 Developer Kit
RM024-P125-M-01	PRM121	Pluggable module with 125 mW and u.FL and chip antenna
DVK-RM024-P125-M	DVK-PRM121	PRM121 Developer Kit
RM024-P50-C-01	PRM122	Pluggable module with 50 mW and u.FL Jack, CE Approved
DVK-RM024-P50-C	DVK-PRM122	PRM122 Developer Kit
RM024-P50-M-01	PRM123	Pluggable module with 50 mW and u.FL and chip antenna, CE Approved
DVK-RM024-P50-M	DVK-PRM123	PRM123 Developer Kit
RM024-X125-C-01	PRM130	LT2510 on LT4424 Daughter Card

We apologize for any inconvenience that this may cause you and will be happy to work with you to address any issues you may have. If you have any questions or comments, please contact your normal sales representative or one of our regional contact numbers below.

Sincerely,

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