



FF5000EXT

USER MANUAL

Additional Manual for PJ5000U-K



File Name: FF5000EXT_ING_1.0.indb

Version: 1.0

Date: 07/12/2011

Revision History

Date	Version	Reason	Editor
07/12/2011	1.0	First Version	J. H. Berti

FF5000EXT - User Manual
Version 1.0

© Copyright 2011

R.V.R. Elettronica SpA

Via del Fonditore 2/2c - 40138 - Bologna (Italia)

Phone: +39 051 6010506

Fax: +39 051 6011104

Email: info@rvr.it

Web: www.rvr.it

All rights reserved

Printed and bound in Italy. No part of this manual may be reproduced, memorized or transmitted in any form or by any means, electronic or mechanic, including photocopying, recording or by any information storage and retrieval system, without written permission of the copyright owner.

Declaration of Conformity

Hereby, R.V.R. Elettronica SpA, declares that this FM transmitter is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.



Table of Content

1.	FF5000EXT Option	1
1.1	Description	1
1.2	Connections	1

This page was intentionally left blank

1. FF5000EXT Option

1.1 Description

The **FFT5000EXT** is an external component for **PJ5000U-K** that incorporates a low-pass filter to keep harmonic below the limits provided for by international standards (CCIR, FCC or ETSI).

It also enables users to provide the reading of forward (FWD) and reflected power (RFL) of equipments to which the **FFT5000EXT** is connected.

Once it has connected to the amplifier, the directional couplers inside the filter will replace those that are presents inside the device, allowing measurements of the power truly delivered in antenna.

1.2 Connections

A schematic view about operation theory of the equipment is shown in figure below:

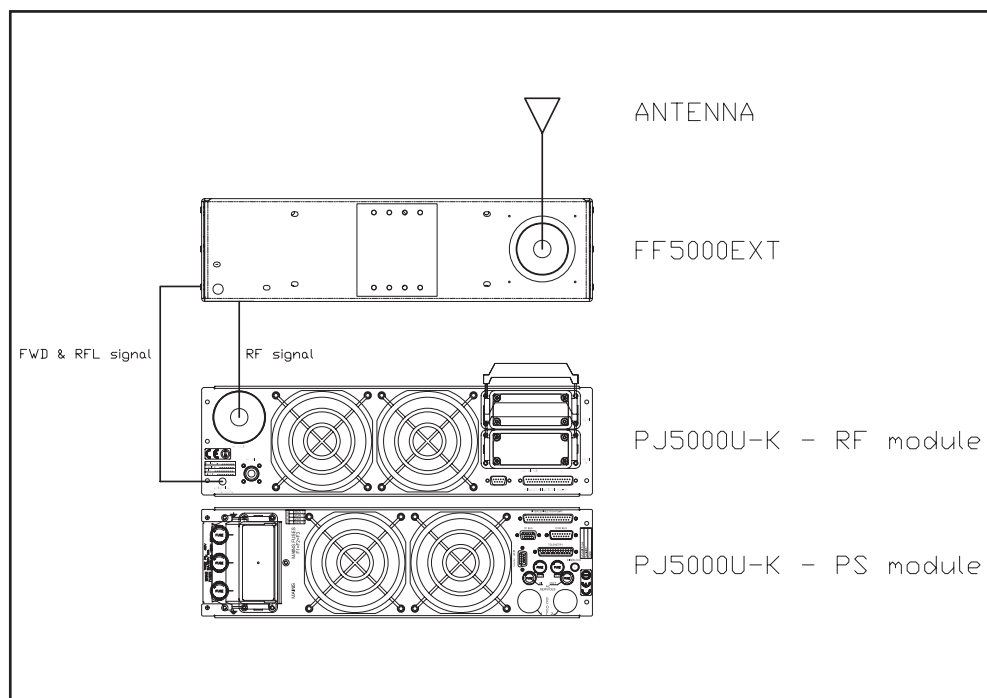


Figure 1: operation theory

Perform the following connections for the proper functioning of the system:

1. Connect the RF input of **FFT5000EXT** filter to the RF output present on **PJ5000U-K (RF OUT on rear of RF module)**.
2. Connect the 6.3mm male jack of **FFT5000EXT** filter to the connector present on **PJ5000U-K (External RF Measure on rear of RF module)**.
3. Connect the antenna to RF output of **FFT5000EXT** filter.

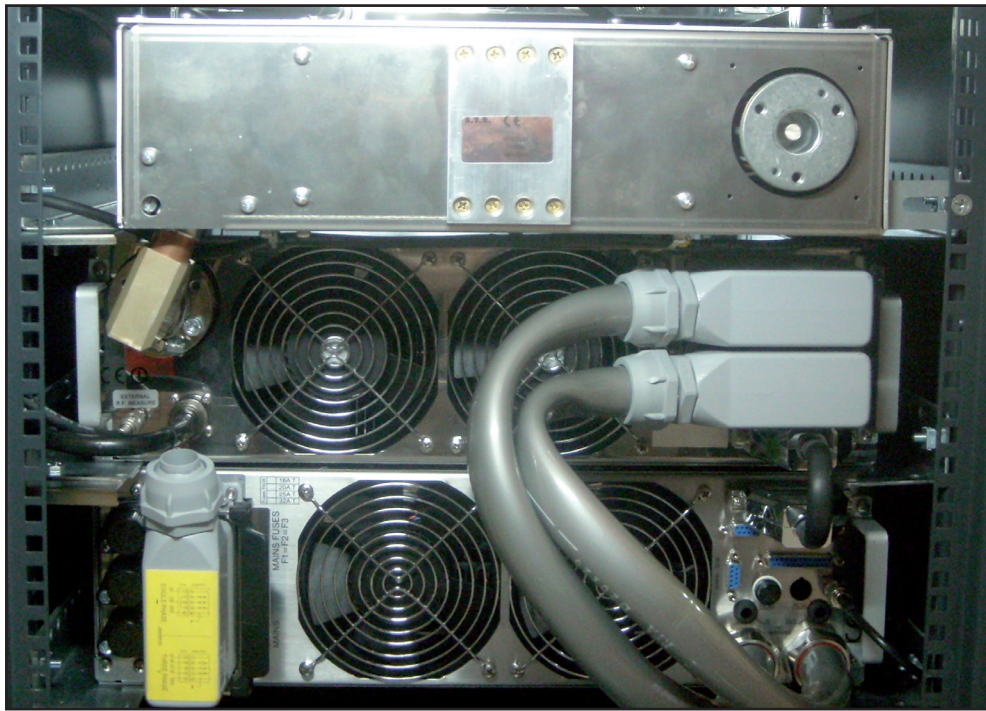


Figure 2: Example of installation in a rack



R.V.R. Elettronica S.p.A.

Via del Fonditore, 2 / 2c

Zona Industriale Roveri · 40138 Bologna · Italy

Phone: +39 051 6010506 · Fax: +39 051 6011104

e-mail: info@rvr.it · web: <http://www-rvr-it>

ISO 9001:2000 certified since 2000



Member of CISQ Federation

RINA
ISO 9001:2000
Certified Quality System



The RVR Logo, and others referenced RVR products and services are trademarks of RVR Elettronica S.p.A. in Italy, other countries or both. RVR ® 1998 all rights reserved.
All other trademarks, trade names or logos used are property of their respective owners.