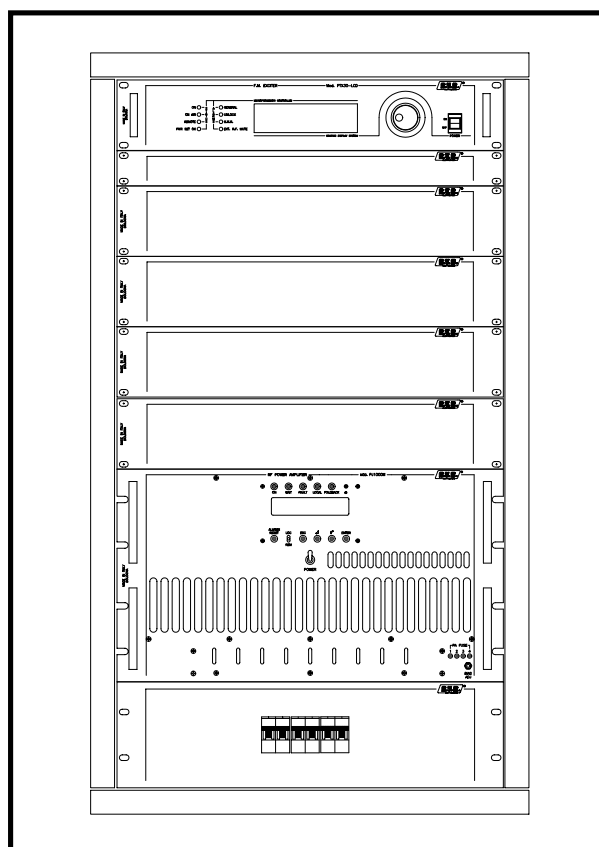


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# TX1000



## User Manual

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Manufactured by



Italy



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**Version:** 1.0

**Date:** 02/12/2002

## Revision History

Version	Date	Reason	Editor
1.0	02/12/2002	New version	D. Canazza

TX1000 - User Manual

Versione 1.0

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R.V.R. Elettronica SpA

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

Telefono: +39 051 6010506

Fax: +39 051 6011104

Email: info@rvr.it

Web: www.rvr.it

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**Notification of intended purpose and limitations of product use**

This product is a FM transmitter intended for FM audio broadcasting. It utilises operating frequencies not harmonised in the intended countries of use.

The user must obtain a license before using the product in intended country of use. Ensure respective country licensing requirements are complied with. Limitations of use can apply in respect of operating frequency, transmitter power and/or channel spacing.

**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.



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## **1. Introduction**

This manual describes the TX1000SS, an Radio transmitter for frequency modulation audio broadcasting.

The TX1000SS is a modular device, built up of components assembled in a 19" rack, complete with electrical and RF wiring.

This manual shall be read together with the manuals of the different components, that are attached herewith.

Details about warranty, safety, working principles and technical specifications are given in the single manuals.

## **2. Configurations**

### **2.1 General**

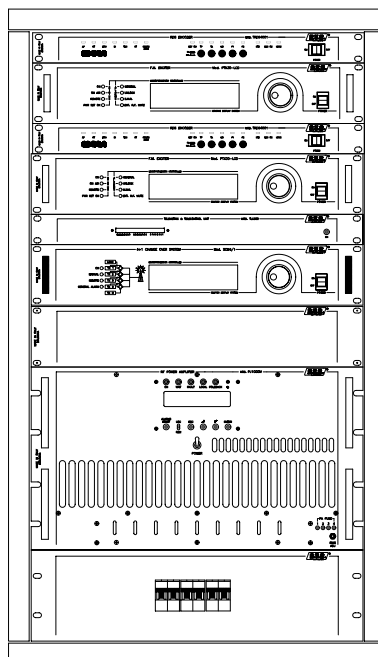
The essential components of the TX1000SS are:

- 1 PTX30LCD/s Exciter;
- 1 PJ1000M LCD Amplifier.

Different configurations of the transmitter are available. The customer will choose the one that best fits his need in terms, e.g. of redundancy or telecontrol capabilities.

This chapter describes the different configurations the TX1000SS can have. Please note that transmitters layouts given herein are reference ones; the height of the racks and the disposition of the modules may vary and will be specified at the time of placing the order. The names of the different transmitters refer to the components included.

## 2.2 TX1KSSRD/RDS

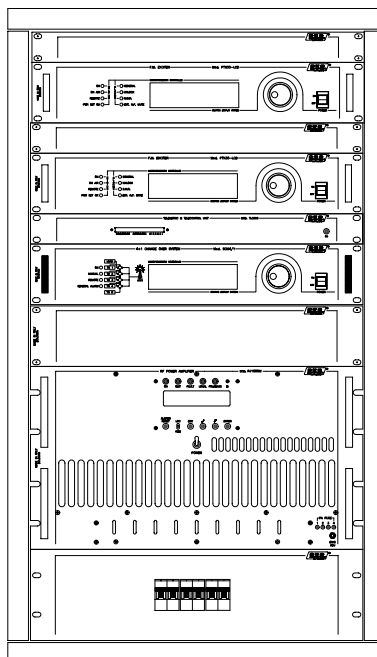


This version is the most complete version of the TX1000SS. With respect to the “essential” components, it features:

- Double exciters (2 PTX30LCD/s);
- Double RDS encoders (2 TRDS4001);
- Automatic change-over (SCM1+1 LCD);
- Telemetry unit (TLC300);

Of course, it also includes the PJ1000M RF amplifier.

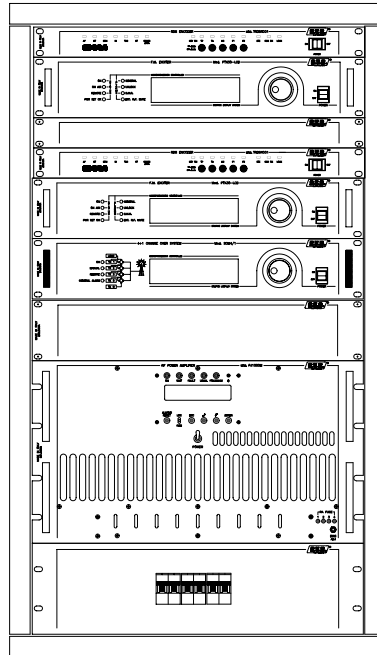
## 2.3 TX1KSSRD



This version of the transmitter gives to the customer the benefit of redundant exciters and remote control. It is composed of:

- Double exciters (2 PTX30LCD/s);
- Automatic change-over (SCM1+1 LCD);
- Telemetry unit (TLC300);
- Amplifier (PJ1000M LCD).

## 2.4 TX1KSSD/RDS



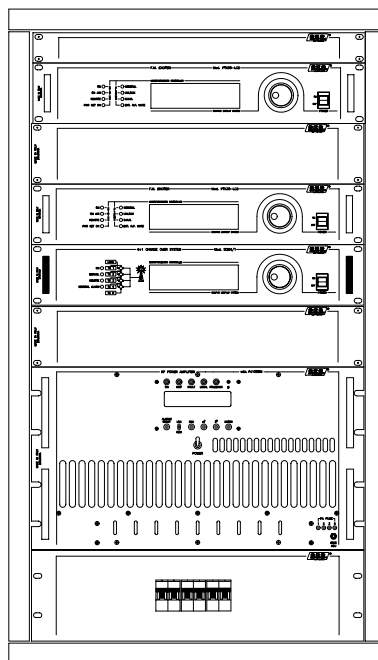
This version of the transmitter gives redundant exciters and RDS coders.

It consists of:

- Double exciters (2 PTX30LCD/s);
- Double RDS encoders (2 TRDS4001);
- Automatic change-over (SCM1+1 LCD);
- Amplifier (PJ1000M LCD).



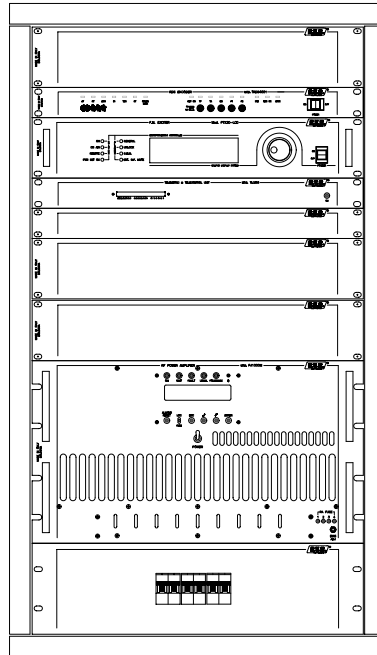
## 2.5 TX1KSSD



This version is composed of:

- Double exciters (2 PTX30LCD/s);
- Automatic change-over (SCM1+1 LCD);
- Amplifier (PJ1000M LCD).

## 2.6 TX1KSSR/RDS

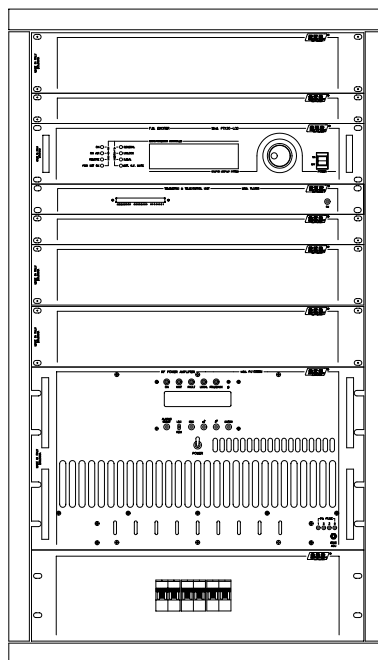


This version of the transmitter is tele-controllable and includes the RDS coder.

It is composed of:

- Exciter (PTX30LCD/s);
- RDS encoder (TRDS4001);
- Telemetry unit (TLC300);
- Amplifier (PJ1000M LCD).

## 2.7 TX1KSSR

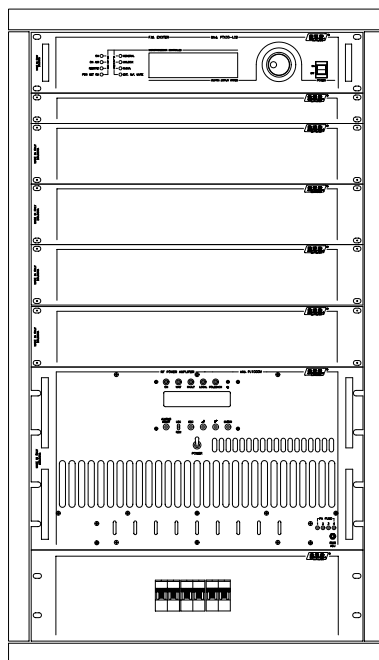


This version of the transmitter is tele-controllable and includes the RDS coder.

It is composed of:

- Exciter (PTX30LCD/s);
- Telemetry unit (TLC300);
- Amplifier (PJ1000M LCD).

## 2.8 TX1000SS/V4



This version is composed of:

- Exciter (PTX30LCD/s);
- Amplifier (PJ1000M LCD).