

# Technisonic Industries Ltd.

240 Traders Blvd. E., Mississauga, Ontario CANADA L4Z 1W7 Tel: 905 890-2113 Fax: 905 890-5338

## TECHNICAL INFORMATION BULLETIN

**EQUIPMENT:** FM Digital Airborne Transceivers with multi-band capability consisting of all TDFM-600 and 6000 series transceivers.

**PART NUMBERS:** All

**AFFECTED SERIAL No's:** All

**BULLETIN No.:** TIB03-017

**DATE:** January 24, 2003

---

### POTENTIAL DIFFICULTY:

#### TDFM-600/6000 TRANSCEIVER PROGRAMMING

The Technisonic TDFM-600/6000 series transceivers require Motorola RSS (Radio Service Software) to allow programming of memory location, operating frequency and other necessary information. This may include certain parameters for use in a Motorola trunked radio system. These transceivers can only be programmed via a PC with Motorola RSS software and the Smart Radio Interface Box (SRIB) with necessary cables.

The TDFM-600/6000 series Transceivers are only capable of being programmed by Motorola Radio Service Software. The following settings may be programmed for each Channel in a Conventional Radio Module:

Tx Frequency	Zone
Tx PL/DPL Code	Channel
Rx Frequency	Name
Rx PL/DPL Code	RX Signal Voice Type
Time-Out Timer	TX Signal Voice Type
Scan List	Network Access Code
Phone	Tx Power

The following settings must be programmed for each mode in a Trunked (SmartNet\* or SMARTZONE\*) Radio Module:

System Type	TG Strapping
System ID	Zone
Individual ID	Scan List
Coverage Type	Scan Type
Affiliation Type	Interconnect
Control Channel (s)	Phone Display Format
Talkgroup 1	Private Call
Talkgroup 2	Private Call Type
	Private Call Operation

\*trademarks of Motorola

**RECOMMENDED PROCEDURE:**

The following items are required and can only be purchased from Motorola Customer Service at 1-888-567-7347 or other authorized Motorola sales outlet. These items are not available from Technisonic and we are unable to sell them directly. It will be necessary to enter into a software licensing agreement with Motorola prior to the purchase of RSS software.

**Part Number**

**Description**

Software

RVN4182F

Motorola XTS-3000 RSS Software

Interface Box

RLN1015D

SmartRIB Interface Box

AC Power Adapter for Interface Box

01-80302E27

SRIB AC Power Pak 110V

or

25-80373E86

SRIB AC Power Pak 220V

Computer Interface Cable

30-80390B49

25 pin to 9 pin, PC to SmartRIB cable

or

30-80390B48

9 pin to 9 pin, PC to SmartRIB Cable

Transceiver Interface Cable

(Must be purchased from Technisonic or fabricated as per Figure 2-2 of TiL document No. 01RE293C)

013524-1

25 pin to 25 pin SmartRIB to TDFM-600/6000  
Transceiver interface cable.

Contact Technisonic Industries if any further information is required.