

TECHNICAL INFORMATION
BULLETIN

TiL Model: TDFM-9000 Transceivers with Type "A" and "B" Modules
TiL P/N: 101263-1,-2-90-X
Affected S/No: ALL

Purpose: TRANSCEIVER PROGRAMMING ORDERING GUIDE
Note: Different cables and CPS software are required for Type A Modules versus units with Type II (B) Modules as illustrated in Table 1 and Table 2 below.

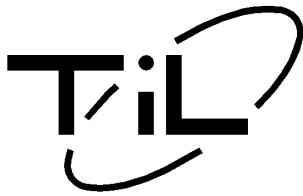
Parts Required:

TABLE 1

TDFM-9000 Transceivers with Type A Modules (Standard) P/N: 101263-1(or 2)-90-AXX-AXX-AXX		
ITEM	PART NUMBER	DESCRIPTION
¹ Software	RVN5224 (Motorola)	APX CPS
² Programming Cable: Download/Programming Cable. For use with Type A Modules.	127499 (Technisonic)	TDFM-9000 mini-DIN to PC USB Socket
³ Keyloading Cable: KVL-3000+/KVL-4000 Key Loader Cable (required if encryption keys need to be loaded).	127500 (Technisonic)	TDFM-9000 mini-DIN to KVL-Key Loader

TABLE 2

TDFM-9000 Transceivers with Type A and II (B) Modules (Non-Standard) P/N: 101263-1(or 2)-90-AXX-BXX-BXX		
ITEM	PART NUMBER	DESCRIPTION
¹ Software	RVN5224 (Motorola)	APX CPS
¹ Software	RVN4181 (Motorola)	Astro 25 Portable CPS
² Programming Cable: Download/Programming Cable. For use with Type II Modules.	127499 (Technisonic)	TDFM-9000 mini-DIN to KVL-Key Loader
³ Keyloading Cable: KVL-3000+/KVL-4000 Key Loader Cable for use with Type II Modules (required if encryption keys need to be loaded).	137512 (Technisonic)	TDFM-9000 mini-DIN to KVL-Key Loader



TECHNISONIC BULLETIN

¹**Motorola Part:** These parts are not available for purchase from Technisonic.

²**CPS Programming Cable:** Must be purchased from Technisonic. It cannot be fabricated due to circuits within the cable.

³**Key Loader Cable:** Must be purchased from Technisonic. Allows encryption keys to be loaded into the transceiver with KVL-3000+ or KVL-4000 Key Loaders. Only required if the transceiver has been delivered with optional encryption capability.

Programming Software:

The Technisonic TDFM-9000 series transceivers require Motorola CPS (Customer Programming Software). The CPS configures all frequency data and all channel parameters including trunked systems for each RF module installed.

Standard TDFM-9000s only use APX CPS for all modules. However, some non-standard TDFM-9000s equipped with TYPE A and TYPE II (B) modules will require both the APX CPS and Astro 25 Portable CPS.

Obtaining Motorola CPS:

The CPS software must be purchased online directly from Motorola to comply with their software licensing regulations.

The Motorola On Line (MOL) site is: <https://businessonline.motorolasolutions.com/>

Once on the website, select "**Sign Up Now**" and follow the directions. You must complete the license agreement process before you can purchase any product on line.

To order Motorola products follow the procedures below:

- Select "**Buy Center**" in the menu bar and then select "**Search Catalog.**"
- Type in the part number RVN5224 for APX CPS or RVN4181 for Astro 25 Portable CPS. Select the latest revision for software, fill in the quantity, add to the cart, and proceed to check out.

CPS has a 3 year subscription and the updates are free. It is highly recommended to have the purchased CPS products added to your MOL account and available for download. Contact the Motorola personnel to attach the updates to the account.