

# MODEM/CONTROLLER TR30-3060

*Voice Privacy with Integrity...Worldwide*

If the efficiency and security of the operation of your radio system is important to you and your two-way radio users, Transcript's TR30-3060 Series Modem, used in conjunction with Transcript scramblers, offers a cost-effective solution to the complete programming and management of your radio system.

This compact modem/controller connects your radio system to a personal computer or ASCII terminal enabling you to manage an entire fleet of up to 61,440 radio IDs from a single keyboard. It is highly compatible with all types of radios, base stations, repeaters and control equipment, for both trunking and conventional systems.

Increase your efficiency with Over-the-Air-Reprogramming (OTAR) which allows system controls, encryption parameters, and ANI codes to be changed by remote commands, even while radios are in the field and operational. It allows you to protect the integrity of your system if any radio is ever lost or stolen by disabling a radio using the stun feature, which prevents the radio from transmitting or receiving any messages.

Transcript's TR30-3060 Series Modem is compatible with Transcript's user-friendly dispatch software T-CAD

(DOS-based) and TEC (Windows-based) enabling you to better track and control your operation. By operating the modem in conjunction with the software, dispatchers can monitor and control the radio system through a customized screen displayed on a personal computer terminal.

You can optimize and simplify the management of your radio systems with a Transcript TR30-3060 Series Modem which offers these features and benefits :

#### **Management of Unit IDs**

- Dispatchers are provided the capability to control up to 61,440 radio IDs.

#### **Suitable for All Radio Systems**

- Transcript's Modems operate transparently with all types of radio systems, base stations, repeaters and control equipment for both trunked and conventional radio systems.

#### **Complete System Solution**

- When you partner with Transcript for your radio system needs, you can choose from a complete selection of ANI and scrambling modules designed to fit all brands and models of land mobile radios.

#### **Over-The-Air-Reprogramming**

- System controls can be changed by remote commands while radios



are in the field and operational, minimizing down time and labor costs.

#### **Dispatch Software Compatible**

- Using Transcript's T-CAD (DOS-based) or TEC (Windows-based) radio management software, dispatchers can log, monitor and control the radio system using a customized spread sheet format that is displayed on a personal computer screen.

#### **Disable Radio Functions**

- Dispatchers will have the ability to disable a radio that has been lost or stolen. Once disabled, a radio can no longer receive or transmit messages, eliminating any potential advantage an undesired listener would gain from stealing a radio.

#### **Key Management**

- As a security system manager, you know that your system is only as safe as your keys are. Transcript's modems give you complete control of your radio system.

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General Specifications TR30-3060/3061 Modem	
Size	5.125" x 5.375" x 1.875" (130 x 136 x 47 mm)
Operating Temperature	-22 to 140 °F (-30 to 60 °C)
Power Supply Options	9V internal battery, front input jack, or from radio <sup>1</sup>
Supply Voltage	6 to 30 Vdc, internally regulated
Supply Current	22 mA (at 12 Vdc nominal supply)
Power Indication	Front Panel LED
Power Control	Front Panel On/Off switch
Computer Connector	DB-9F
Computer Protocol	3-wire RS-232 serial, 9600 N-8-1 Terminal Emulation
Radio Connector	DB-15F
Radio Interface Lines	TX In, RX Out, and PTT to 'base' radio (minimum)
Radio Cable	Generic cable provided - requires connector and wiring for radio. Pre-wired cables for some popular models - call for availability.
Signaling Protocol	FlashCall™
Module Programming	Over-The-Air Reprogramming (OTAR)
Module Compatibility	Transcrypt 400 Series Scramblers <sup>2</sup> Transcrypt 410/416 Series Scrambler Transcrypt 430 Series Scramblers Transcrypt 460 Series Scramblers Transcrypt DES Series Scramblers <sup>3</sup> Transcrypt TR20-245-2 Multi-Format Signaling Encoder
Availability	Restricted Use: TR30-3060-1 USA, Canada International Use: TR30-3061-1

Radio System Management Capabilities	
ANI Decode Emergency Status	4 digit, 0000 to EFFF Acknowledgement/Display Display
Selective Calling Individual ID's Groups Fleets	Transmit /Acknowledge 61,440 256 16
Over-The-Air Reprogramming	Yes
Enable/Disable Radio	Yes
Change Encryption Codes	Yes
Change ANI, Group, Fleet	Yes
Force Coded/Clear	Yes

<sup>1</sup> Power can be supplied from select radio models depending on radio and cable features.

<sup>2</sup> ANI, OTAR, Emergency and Flashcall features for the 400 series are available only in select models and when in clear mode only.

<sup>3</sup> Used in conjunction with TR99-DES Keyloader Software.



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