

# REMOTE DETONATION SYSTEMS

After many years of research and development, **TEKSAV** has developed successfully the remote detonation system family **TX680, RX680** to provide an effective solution to operational requirement to initiate a number of selected detonators, pyrotechnics or other electrically initiated devices without the restriction of hard-wired circuits.

Designed and manufactured for maximum reliability and safety in all operating conditions.

Systems serves as the remote initiation of a number of devices positioned at the target site

Battle proven products by many armies around the world

## Superior Features

- ❖ Increased safety and reliability features
- ❖ High immunisation against jamming
- ❖ Art of the state electronics with modular structure
- ❖ Encrypted messaging
- ❖ Impossible to be deciphered by enemy.
- ❖ RF power out adjustable
- ❖ Continuous BIT (built in test)
- ❖ Easy to learn and operate
- ❖ Compatible to earlier versions.
- ❖ Remote failure detection with special PC software
- ❖ Longer duration of standby operation
- ❖ Shorter MTR < 10 min



# REMOTE DETONATION SYSTEMS

## INTRODUCTION

- System is composed of two modules. A receiver with line outputs (**RX680**) and a transmitter (**TX680**) to control and fire.
- System has a variety of controlled firing up to 160 lines with one transmitter (**TX680**) and 16 receivers (**RX680**).
- The modules – receivers & transmitter operates under RF communication, which is conducted with modulation and encoding.
- Remote Controlled Firing System can easily operate up to 25 kilometers in an open area. (In line of sight). Ground to ground typically 2 - 4 Kms.
- Land and Sea version are available
- Capable to drive 200 meter long firing cable because of its high power output.
- Password protection keeps out un-authorized usage .
- Last 10 firing is recorded to follow up . All records can be saved to a PC.

## TECHNICAL CHARACTERISTICS

<b>Output energy</b>	: 800-mJ (typical) upto 4000 mJ capacitive discharge.
<b>Current</b>	: 10 ma idle. In sleep mode every two seconds automatic wake up increases the on-time duration 750 ma at transmission
<b>RF frequency</b>	: FM (173, 433, 900,1600 MHz)
<b>Modulation</b>	: FFSK
<b>RF output</b>	: 0.5- 7 W typical into 50 Ohms
<b>Receiver sensitivity</b>	: -115 dBm
<b>Power</b>	: 2 x 3.6V Lithium Rechargeable Battery or 9V pp3 NimH or Nicd or alkaline batteries
<b>Operating temperature</b>	: -20°C +55° C with LCD (without -35 °C +55° C)
<b>Storage temperature</b>	: -40 °C +60°C
	● Complies with military standards MIL-STD-810H,461G,464 and NATO STANAG 4234. All our production is accredited by <b>ISO 9001 : 2015</b>

