

Product Description

AutoNet™ is Etek's innovative electronic initiation system that provides blasting accuracy and operational flexibility in a robust, easy to use package designed to assist customers in maximising their productivity in surface and underground mining and civil construction applications.

User Benefits

- **Safety** is the first priority for AutoNet™. The system has been designed and tested for suitability for a wide range of blasting conditions. It is highly resistant to impact, vibration, high and low temperatures, immersion in water and bulk explosives formulations and stray electric currents.
- **Accuracy** - Each detonator in the 2-wire parallel circuit can be individually programmed with the timing sequence and delays to the nearest millisecond. Results are more consistent fragmentation and use of explosives energy.
- **Dependability** - Each detonator can be detected and its operating readiness confirmed during the tying in operation to eliminate set-up errors.
- **Simplicity** - AutoNet™ requires 2 components on the shot or at the face – the electronic AutoNet™ detonator and a 2-wire bus line. Everything else is provided by the Programmer and Blaster units.
- **Security** is provided by a set of secure electronic protocols and traceability is ensured by each electronic detonator possessing its own individually encrypted ID serial code.

Properties

Detonator Shell	Steel
Wire Insulation Colour	Orange
Tensile Strength (N) STD/HD	196(20kg)/392(40kg)
Detonator NEQ (mg)	1050 +/- 30 mg
Strength	No. 8
Detonator Operating Temperature	-40° to +85° C
Maximum Delay (ms)	0 to 15,000 ms
Maximum Detonators/Blaster	500/2000
Blaster STB-2001/STB-2002	
Maximum Communication Distance	3000 m
Indicator Maximum Wireless Range	300 m

Packaging – Items and Box Quantities

Cable Length	Delay Time ms	Pack Type	Qty Box	Net/ Box (kg)	Gross/ Box (kg)
8 m	0-15000	Spool	80	12	13.5
10 m	0-15000	Spool	80	15	16.5
12 m	0-15000	Spool	80	16	18.5
15 m	0-15000	Spool	80	21	22.5
18 m	0-15000	Spool	50	16	17.5
24 m	0-15000	Spool	40	17	18.5
30 m	0-15000	Spool	32	17	18.5
40 m	0-15000	Spool	24	18	19.5
50 m	0-15000	Spool	20	18	19.5
60 m	0-15000	Spool	16	17	18.5
80 m	0-15000	Spool	12	17	18.5

Shipping – UN Classification

**DETONATORS,
ELECTRIC for
blasting**

UN 0030 1.1B
UN 0456 1.4S



System Elements

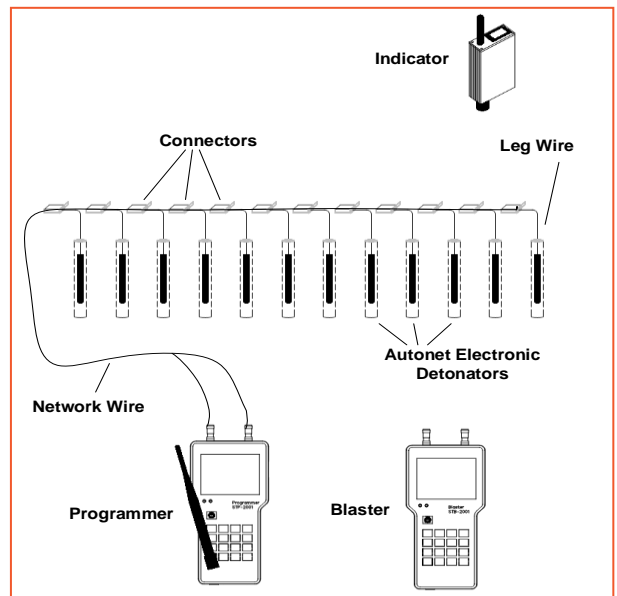


Key:

1. Waterproof Transport Case
2. Indicator (EDFP602)
3. Blaster (STB-2001)
4. Programmer (STP-2001)
5. 5V Charger
6. 5V Charger
7. Indicator Charging Cable
8. Blaster/Programmer Charging Cable

Application and Use

- **AutoNet™** electronic detonators are used in conjunction with the Programmer/Blaster which sets the delay timing to the nearest millisecond as well as setting the timing frequency for each electronic detonator.
- The Programmer/Blaster enables accurate detection of the working status of each detonator. The Indicator checks tie-in of each detonator progressively.
- Each detonator has an individually encrypted ID serial code which can be read by the EDPF Programmer & Blaster directly. The detonator supports password initiation mode. In this mode, only a firing command with the correct password can initiate the detonators.
- For blast patterns under 500 detonators, Blaster STB-2001 is used and for blast patterns between 500-2000 detonators Blaster STB-2002 is used.
- This combination provides for extensive mining and quarrying combinations for small and large-scale blasting requirements.



Performance

Delay Accuracy -40°C to +85°C	0ms to 1000ms < 1ms 1001ms to 15,000ms +/- 0.1%
Waterproofing	25m/48 hrs
ESD Resistance	CEN/TS 13763-13
RF Resistance	CEN/TS 13763-27

Storage

Recommended Shelf Life	2 years from DOM
Storage Temperature	-20°C to +45°C
Packing Method	Spool and Box (see Page 1)
Box Dimensions (mm)	540 x 273 x 273
Box Weight (kg)	See Table on Page 1

Safety Precautions

AutoNet™ electronic detonators can be used safely in temperatures from -40°C to +85°C. The Programmers and Blasters can be used in operating temperatures from -20°C to +50°C. The system is resistant to initiation by static electricity, RF transmissions and electronic interference. However, proper care and caution should be applied when using detonators in any environment that may exert any initiating energy, i.e. impact, friction, electromagnetic field, etc.

Product Disclaimer - ETEK/Exploenergy and (its) subsidiaries disclaim any warranties with respect to this product, the safety or suitability thereof, or the results to be obtained, whether express or implied, INCLUDING WITHOUT LIMITATION, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE AND/OR OTHER WARRANTY. Buyers and users assume all risk, responsibility and liability whatsoever from any and all injuries (including death), losses, or damages to persons or property arising from the use of this product. Under no circumstances shall ETEK/Exploenergy or any of its subsidiaries be liable for special, consequential or incidental damages or for anticipated loss of profits.