

Intelligent Rescue Guiding Locator



Crucial Moment – Rapid Rescue

IRGL 330, the intelligent rescue guiding locator, is first designed for firefighters. It is also suitable to many types of rescue team, rescue units.

The most dreaded danger is lost in smoke or trapped and other rescue team members cannot make sure of exact location just by alarm call. Using traditional methods might also fail to find the person in time especially circumstances of fireground can be complicated.

IRGL 330 is designed to give you an easier, faster, and more accurate method to find your rescue team members.

!! 100 seconds !!

This is the time to search and rescue a person in a 10-story building of 10,000m² by using

IRGL 330



Exclusive design ,
not using internal
navigaton method,
no cumulative
deviation. Locator is
able to work
independently

Not only so easy to
operate and reduce
training time, it
doesn't rely on any
background facility
or signal station

Fastest product to
search and rescue,
even in
complicate or harsh
environment.



How to search the trapped team member?

3 steps to find your team member easily and rapidly :

1. According to the height difference data from the screen, knowing if you are moving in correct direction, quickly get to the floor where the trapped person is.
2. According to the signal strength data from the screen, choose and decide the direction of trapped person.
3. According to distance data from the screen, knowing how close you are and find trapped person.
 - ※ If distance is less than 10 meters, the screen appears yellow highlight automatically reminding getting close to the trapped person.

Target's ID.
Each locator has an unique ID.

目標 00005 號		
下面/m	距離/m	訊號%
5.5	12	67

Signal strength measured at rescue member's locator.

The higher the signal appears means rescue member is moving towards accurate direction.

Height difference between rescue member's locator and target locator.

If shows 0 on the screen means both at same floor.

Distance between rescue member's locator and target locator.

When it is less than 10 meters, screen turns to yellow high-light.

Example of moving towards accurate direction



Indicate rescue member should go **UP & LEFT**

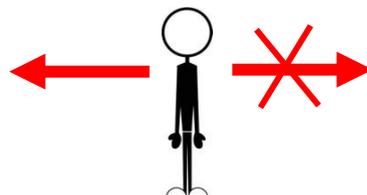
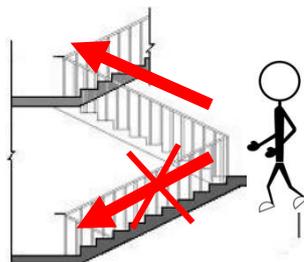
Example: If go up (left), number **decreased**, means moving towards **accurate** direction.

If go up (left), number **increased**, means moving towards **incorrect** direction



Example: If go up (left), number **increased**, means moving towards **accurate** direction.

If go up (left), number **decreased**, means moving towards **incorrect** direction



◆ Coordinative Operation

With IRGL 330 locator, each member will be aware of total number of members nearby and distance to each of them. You can also actively search for members nearby.

Any IRGL 330 locator all over the world is compatible with another locator and form a coordinative operation.

◆ Command Station

Information such as each member's condition, position, and movement will be displayed At command station screen. Condition included normal, search, and alarm status. Position included distance and height difference. Movement included moving horizontal, moving up-stair or down-stair, taking lift up or down, fall down.

Able to give evacuate notification to all the members.

Can be installed on both laptop and PC. Staying in fire truck while conduction the fire fighting is no longer required.

◆ Classify Rescue Priority

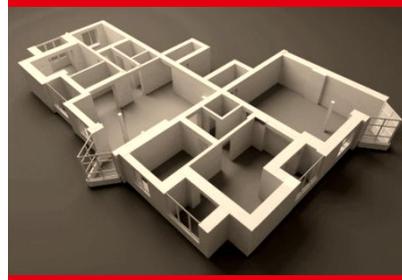
There might be hundreds of fire fighters in a fire scene at same time. How to choose the proper person to rescue when one calls for help?

IRGL 330 locator will prioritize based on the criteria of same floor, and shortest distance to select most suitable locator to search and rescue.

◆ How To Wear IRGL 330 Locator

On the shoulder for best signal, also capable to wear at chest, belt clip...etc.

IRGL 330 locator is optimal replacement for traditional distress alarm. It doesn't increase extra weight, also gives you more advanced feature and performance.



Interface with other equipments:

3D Localization System

IRGL 330 locator is capable to perform 3D localization by working with 3D localization station, thus each firefighter's real-time coordinates and movement track can be shown on command station screen.

Indoor Register

IRGL 330 locator can automatically work with indoor register to record the ID and enter time of each member that goes into the fire scene and show this information on command station screen.

Oxygen Cylinder Pressure Measurement

IRGL 330 locator can automatically work with pressure sensor of oxygen cylinder, and transmit pressure data to command station

Performance Parameter Data		
Category	Feature	Specification
Wireless Communication	Signal linear distance	2000 meter
	Relay transmission	Support MANET replay transmission
Search and Positioning	Max. height deviation	2 meter
	Best accuracy	0.5 meter
	Max. measuring distance	500 meter
	Direction recognizable	High
Electricity	Battery capacity	3400 mAh/3.7V
	Charging time	1 hour to 70% capability
	Max. operating time	35 hours
	Peak power	8 w
Miscellaneous	Dimension (without antenna)	128 x 70 x32 mm
	Weight (with antenna)	295 ± 3 g
	Operating temperature	-25°C ~ 70°C
	Enclosure protection level	IP67
	Structural strength	1.5 meter drop test qualified
	Ways to carry	Back clip or hook
	Buzzer	100 dB
	Flash light	Red/Yellow/White, different penetration