BOMB DEFUSAL MANUAL

Remember, ***communicate and stay calm.***
Good luck!

BOMB DEFUSAL MANUAL

HELLO AGENT,

This manual is used to defuse the bomb your **partner is facing.**

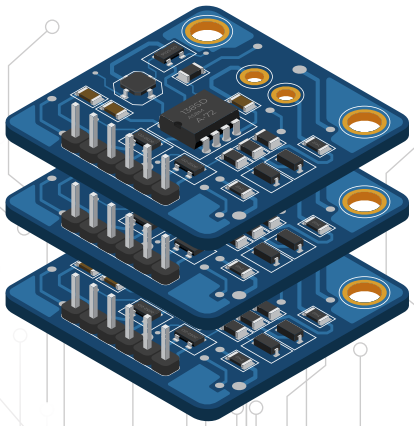
You are the expert in defusing, listen carefully to your team mate, ask him for details and provide him with instructions on how to defuse each module.

Only when you finish reading through this page, tell your partner to open the case!

CAUTION!

Remember it's a bomb, and every mistake can be your partner's last one.

Don't try to guess, each strike will be noted and on the 5th strike the bomb will explode!



BOMB MODULES

There are 5 modules to be solved. Each one **can be solved at any time.**

The instructions on disarming modules are listed on the next pages.

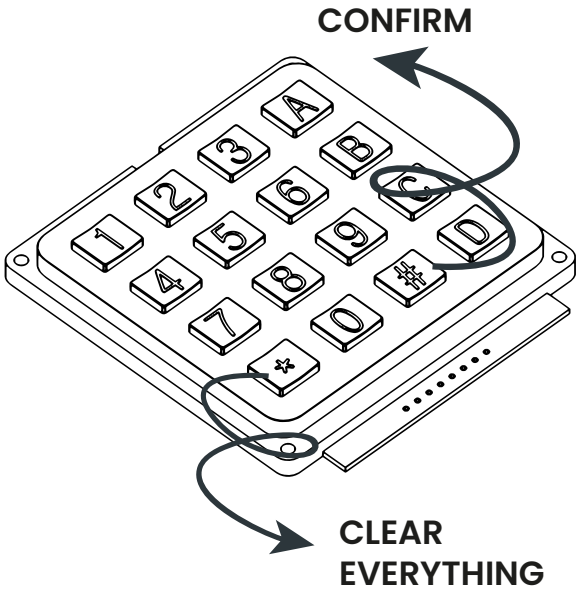
1.KEYPAD MODULE

The module has a status diode:

unsolved

solved

There are **3 stages** to disarm this module



The color of the display matters.

	Red	Green	Blue	Yellow	Purple	Orange
STOP	4B7C	1A2B	7C8D	A4B5	8C3D	9A2C
WAIT	5A9D	5C6B	3D4A	2B3C	6A2D	1B3A
HOLD	3C1B	6A7D	9B1C	6B7A	7C1D	4A5B
PAUSE	2A5C	6B7C	1B0A	3C4D	4A8B	5B6C
JUMP	1A4C	2B3A	1C2D	1A5B	2C8A	3B7D
DUCK	3B9A	2C7D	4B3C	1B7D	6A3B	5C1A
STEP	2C4B	9A1D	5C3A	6A4B	2B5A	3C7B
EXIT	5A3C	4B6A	9C8D	8B5A	1C7B	2A6C
SAFE	8B4A	3C6D	6B4C	2A9D	7B8C	1C3A
LEFT	6A8B	9C2A	3B1D	7C5A	6D9B	4A8C
RIGHT	4C9A	5B7C	2A1B	4C7B	3A1D	9C7B
UP	5C7B	3A1C	5A4B	3B1A	4C7D	8A5C
DOWN	9A2B	1C1A	2B4A	3C9D	5A9B	9A7C
FIRE	3B7A	4C5D	8A3B	5A6C	1C6B	6A9D

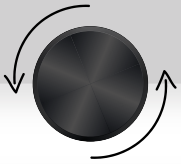
2. MORSE MESSAGE MODULE

The module has a status diode:

 solved

 red, blue or orange

Twisting the knob **left or right** changes the digit



Pressing the knob jumps to the next digit.

The color of the status diode matters.

Only flip send switch **when correct code** is imputed.

MORSE CODE

A	B	C	D	E	F
•−	−•••	−•−•	−••	•	••−•
G	**H**	**I**	**J**	**K**	**L**
−−•	••••	••	•−−−	−•−	•−••
M	**N**	**O**	**P**	**Q**	**R**
−−	−•	−−−	•−−•	−−•−	•−•
S	**T**	**U**	**V**	**W**	**X**
•••	−	••−	•••−	•−−	−••−
Y	**Z**				
−•−−	−−••				

Note! Gap between each cycle is very long.

RAMBO		
RED	BLUE	ORANGE
2137	3271	7312

RODEO		
RED	BLUE	ORANGE
3997	6231	7644

POWER		
RED	BLUE	ORANGE
0523	4843	1088

POKER		
RED	BLUE	ORANGE
4574	8853	6235

SANDSTORM		
RED	BLUE	ORANGE
3464	3369	6734

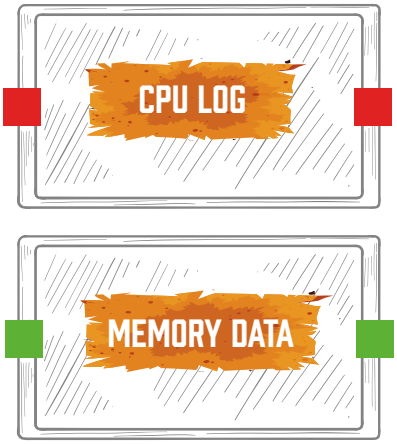
SANDCASTLE		
RED	BLUE	ORANGE
5867	1246	9354

Note!
Follow the long and short blinks of the signal lamp and find which text is being transmitted.

Then input the correct frequency by using a knob and send it with a switch!

If the sent frequency was wrong, flip the switch back to closed position and try again.

3. DISPLAYS MODULE



The module has a status diode:

solved

unsolved

4 buttons can be **pressed or released**

Follow checklists based on **error codes to fix the display.**

Two displays and two buttons are **separate from each other.**

CPU HANDLING SECTION

TEMPERATURE TABLE

Temp.	Status	Temp.	Status
10-20°C	Unstable	50-60°C	Stable
20-30°C	Stable	60-70°C	UnStable
30-40°C	Stable	70-80°C	UnStable
40-50°C	Stable	80-90°C	UnStable
50-60°C	Stable	90-99°C	Critical

VOLTAGE TABLE

Voltage	Status
1.0-1.5	Unstable
1.5-2.0	Unstable
2.0-2.5	Stable
2.5-3.0	Stable
3.0-9.0	Unstable

CPU DISPLAY ERROR CODES

ERROR E401

1.Temperature stable?
Yes = DWG on, **No** = MCP on

2. Fan speed higher?
Yes/No = Both off

3. Voltage >2.5?
Yes = DWG on, **No** = MCP on

4. Serial numer contains A,B,C,D or E?
Yes = both on, **No** = both off.

ERROR E402

1. Serial number contains [1, 3 or 5]?
Yes = DWG on, **No** = MCP on

2. Voltage higher?
Yes/No = both on.

3. Temperature stable?
Yes = DWG off, **No** = MCP off

4. Clock speed >3.5?
Yes = both on, **No** = both off

ERROR E403

1.Clock >2.5?
Yes = DWG on, **No =** MCP on

2.Temperature critical?
Yes = both off, **No** = both on

3.Voltage stable?
Yes/no = DWG on, MCP off

4.Fan speed changed?
Yes/no = both off

ERROR E404

1.Voltage >5?
Yes = DWG on, **No** = MCP on

2.Clock faster?
Yes/no = both off.

3.Fan speed >450?
Yes = DWG on, **No** = MCP on

4.Temperature stable?
Yes = both on, **No** = both off

MEMORY HANDLING SECTION

MEMORY TABLE

Memory	Status	Memory	Status
0-100	Unstable	500-600	Stable
100-200	Stable	600-700	UnStable
200-300	Stable	700-800	UnStable
300-400	Stable	800-900	UnStable
400-500	Stable	900-1024	Critical

SPEED TABLE

Speed	Status
100-1000	Unstable
1000-2000	Stable
2000-3000	Stable
3000-4000	Stable
4000-5000	Unstable

MEMORY DISPLAY ERROR CODES

ERROR E601

1.Memory stable?
Yes = CMD on, **No =** ATU on

2.Data size >1?
Yes = both off, **No** = both on

3.Speed stable?
Yes = CMD on, **No** = ATU on

4.Usage >15%?
Yes = both on, **No** = both off

ERROR E602

1.Speed >2500?
Yes = CMD on, **No =** ATU on

2.Memory stable?
Yes = both off, **No** = both on

3.Usage >35%?
Yes = CMD on, ATU off, **No** = CMD off, ATU on

4.Data size >2?
Yes = both off, **No** = both on

ERROR E603

1.Usage >50%?
Yes = CMD on, **No =** ATU on

2.Data size >1?
Yes = both on, **No** = both off

3.Speed stable?
Yes = CMD off, **No** = ATU off

4.Memory >500?
Yes = both off, **No** = both on

ERROR E604

1.Data size >5?
Yes = CMD on, **No =** ATU on

2.Memory stable?
Yes = both off, **No** = both on

3.Usage >80%?
Yes = CMD on, ATU off, **No** = ATU on, CMD off

4.Speed stable?
Yes = both on, **No** = both off

4. ALARMS MODULE

Remember to choose the right pattern

The module has a status diode:

solved

unsolved

There will be **5 stages** of alarms to handle.

Follow instructions based on the **alarm's pattern.**

STAGE 1

Pattern: Alarm 4 and Alarm 6 light up, followed by Alarm 2
Instruction: Press Alarm 3 once, then hold Alarm 1 for two seconds.

Pattern: Alarm 2 flashes twice quickly
Instruction: Press Alarm 5, then immediately press Alarm 6.

Pattern: Alarm 1, Alarm 2, and Alarm 4 light up simultaneously
Instruction: Press Alarm 3, then press Alarm 6 twice.

Pattern: Alarm 3 and Alarm 5 flash alternately
Instruction: Press Alarm 2, then press Alarm 1 and Alarm 4 together.

5 green diodes will show the current stage

STAGE 2

Pattern: Alarm 1, Alarm 3, and Alarm 6 light up simultaneously
Instruction: Press Alarm 5, wait a second, then press Alarm 2 and Alarm 4 together.

Pattern: Alarm 2 and Alarm 5 light up, followed by Alarm 1
Instruction: Press Alarm 3 three times, then press Alarm 6.

Pattern: Alarm 4 flashes three times, followed by Alarm 1
Instruction: Press Alarm 2, then press Alarm 3 twice, then Alarm 5.

Pattern: Alarm 2 and Alarm 6 light up simultaneously, followed by Alarm 3
Instruction: Press Alarm 1, wait, then press Alarm 4 and Alarm 5 together.

STAGE 3

Pattern: Alarm 1 and Alarm 4 light up simultaneously, followed by Alarm 5
Instruction: Press Alarm 3 twice, then press Alarm 2, and then Alarm 6.

Pattern: Alarm 3, Alarm 4, and Alarm 6 flash in sequence
Instruction: Press Alarm 2 once, then press Alarm 5 and Alarm 1 together.

Pattern: Alarm 2 and Alarm 3 light up, followed by Alarm 1, then Alarm 5
Instruction: Press Alarm 4, wait two seconds, then press Alarm 6 twice.

Pattern: Alarm 1, Alarm 5, and Alarm 6 light up simultaneously
Instruction: Press Alarm 3, then Alarm 2, then Alarm 4 in that order.

STAGE 4

Pattern: Alarm 1, Alarm 2, Alarm 4, and Alarm 6 light up simultaneously
Instruction: Press Alarm 3 once, then press Alarm 5 twice, then Alarm 1.

Pattern: Alarm 3, Alarm 5, and Alarm 6 light up simultaneously, followed by Alarm 2
Instruction: Press Alarm 1 and Alarm 4 together, wait a second, then press Alarm 6.

Pattern: Alarm 2, Alarm 3, and Alarm 5 light up simultaneously, followed by Alarm 1
Instruction: Press Alarm 4 twice, then press Alarm 6 once, then press Alarm 3.

Pattern: Alarm 1, Alarm 3, Alarm 4, and Alarm 6 flash in a rotating sequence
Instruction: Press Alarm 2 once, press Alarm 5 twice, then hold Alarm 6 for three seconds.

STAGE 5

Pattern: Alarm 1 and Alarm 6 light up simultaneously, followed by Alarm 3
Instruction: Press Alarm 2 twice, then press Alarm 4 and Alarm 5 together.

Pattern: Alarm 2 and Alarm 4 light up, followed by Alarm 6 flashing twice
Instruction: Press Alarm 1 three times, then press Alarm 3 and Alarm 5 together.

Pattern: Alarm 1, Alarm 3, and Alarm 5 light up, followed by Alarm 6
Instruction: Press Alarm 2 once, wait a moment, then press Alarm 4, then Alarm 6.

Pattern: Alarm 2, Alarm 3, and Alarm 4 flash quickly
Instruction: Press Alarm 5 once, then press Alarm 6, and then press Alarm 1 twice.

Pattern: All alarms flash in sequence from Alarm 1 to Alarm 6
Instruction: Press Alarm 6 once, then press Alarms 5, 4, 3, 2, and 1 in reverse order.

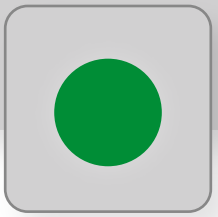
5.MAZE MODULE

The module has a status diode:

 solved

 unsolved

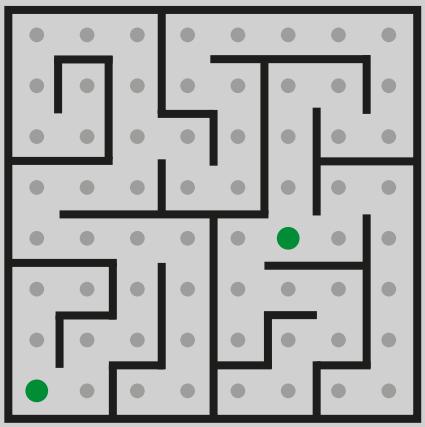
Use **green** markings to find the right maze.



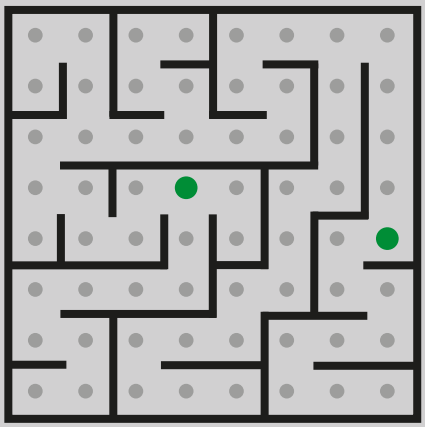
Your partner uses **4 metal buttons** to move white dot.

Follow the maze to reach **blue dot** with white dot.

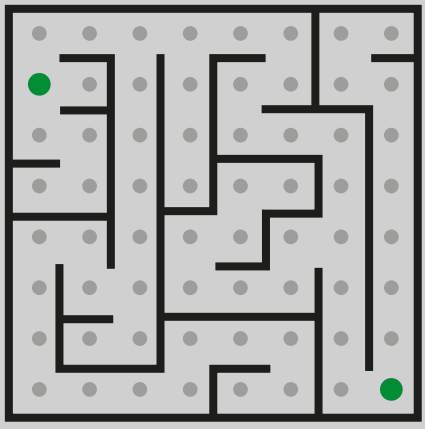
MAZE 1



MAZE 2



MAZE 3



MAZE 4