

KEY POINTS

Item	Remember
Cables	Numbered 1 to 6 left to right, facing the terminal block. An empty position keeps its number. Cable colour does not count.
Left button	Cables 1-2-3 side: shows the serial no. (3 s).
Right button	Cables 4-5-6 side: shows the channel CH 1, 2 or 3 (3 s).
Indicator	Colour + rhythm (STEADY, SLOW ~1/s, FAST ~5/s, DOUBLE flash). Any orange shade = YELLOW. Redefined after each cut.

SERIAL NO. RULES (letters ignored in the calculations)

	Condition	Effect
α	At least one letter	Column = remaining cables + 1 (6 left → column 2)
β	Sum of digits ≥ 15	Use the backup table
γ	Last digit odd	Read the sequence from right to left
δ	Letter B or D	Procedure Δ (series 5 only)

PROCEDURE

	Action
1	Note serial no. (left button) and channel (right button). Determine α , β , γ once and for all.
2	Read the indicator → protocol code in the channel table (below).
3	Primary table, or backup if β .
4	Count the remaining cables → column (+1 if α).
5	Read the sequence (reversed if γ). Cut the first cable still connected.
6	Wait for the end of the 3 rising notes, then resume at step 2.

Signal	Meaning
Brief green + double beep	Correct cut
Flashing red + falling sound	Wrong cut — penalty
3 rising notes	Indicator redefined, re-read
Steady green	Device neutralised

HACKING DEVICE ("PIrA" on the display, once per operation only)

Observed effect	What to do
Steady green indicator	Steady green indicator and countdown stopped: operation complete.
Indicator frozen: no longer changes after cuts	Carry on: same protocol, only the number of remaining cables changes.
New serial no. on the left button	α cancelled → column = remaining cables (no + 1) • β cancelled → primary table • γ cancelled → read left to right. In practice, no rule active at all.

INDICATOR → PROTOCOL

CHANNEL 1	STEADY	SLOW	FAST	DOUBLE FLASH
RED	PP-39	ZC-62	MZ-89	VW-90
BLUE	LP-66	FN-98	CV-13	VR-26
PURPLE	PC-69	WH-32	WC-16	JV-58
YELLOW	UK-10	XF-45	MC-51	GV-81
CYAN	XN-43	TF-91	RG-21	FF-70
WHITE	EC-12	JP-86	MR-63	KW-80

CHANNEL 2	STEADY	SLOW	FAST	DOUBLE FLASH
RED	XN-43	UK-10	JP-86	ZC-62
BLUE	WC-16	PP-39	VW-90	MR-63
PURPLE	MZ-89	GV-81	TF-91	PC-69
YELLOW	EC-12	LP-66	JV-58	KW-80
CYAN	FF-70	FN-98	VR-26	CV-13
WHITE	MC-51	RG-21	XF-45	WH-32

CHANNEL 3	STEADY	SLOW	FAST	DOUBLE FLASH
RED	EC-12	MR-63	WC-16	ZC-62
BLUE	GV-81	KW-80	JV-58	TF-91
PURPLE	RG-21	PP-39	JP-86	PC-69
YELLOW	CV-13	FN-98	XF-45	VW-90
CYAN	FF-70	LP-66	MZ-89	UK-10
WHITE	XN-43	MC-51	VR-26	WH-32

Columns = cables **STILL CONNECTED** at the time of reading (recount before each cut), not the cables at the start.

PRIMARY TABLE

Protocol	2 cables remaining	3 cables remaining	4 cables remaining	5 cables remaining	6 cables remaining
AJ-25	6-4-2-3-1-5	5-4-6-2-3-1	3-2-5-1-6-4	4-2-3-1-5-6	5-2-6-4-1-3
CC-68	2-4-1-6-3-5	2-4-5-3-6-1	1-2-3-5-6-4	6-5-1-4-2-3	4-3-5-2-6-1
CV-13	3-5-2-1-4-6	1-2-4-6-5-3	5-3-6-4-2-1	3-5-1-2-6-4	1-3-6-4-5-2
EC-12	3-4-2-1-6-5	4-3-1-2-5-6	5-3-1-2-6-4	6-2-3-4-1-5	1-2-5-4-3-6
EW-64	4-3-5-6-1-2	4-6-2-1-3-5	5-3-4-1-2-6	3-1-4-5-6-2	3-1-4-5-6-2
FF-70	3-1-5-2-6-4	3-2-5-4-6-1	5-2-4-3-1-6	6-1-3-5-4-2	3-2-1-4-6-5
FN-98	1-6-5-3-2-4	1-5-6-2-3-4	5-1-4-6-2-3	6-4-2-1-3-5	2-5-6-3-1-4
GV-81	2-1-5-6-3-4	3-5-4-6-2-1	6-1-4-3-5-2	2-6-4-1-5-3	2-5-1-6-4-3
JP-86	2-3-1-6-4-5	5-3-1-2-6-4	6-3-2-1-4-5	4-5-6-3-1-2	5-2-4-3-1-6
JV-58	3-2-1-6-4-5	2-1-3-6-5-4	1-2-3-6-5-4	2-1-5-6-3-4	5-3-4-2-1-6
KP-19	4-2-5-6-3-1	6-1-4-2-3-5	4-6-3-1-2-5	5-1-2-4-6-3	2-6-4-5-3-1
KW-80	1-5-4-3-2-6	2-4-3-6-1-5	2-4-3-5-6-1	4-1-6-5-2-3	5-4-1-3-6-2
LP-66	1-5-4-3-6-2	1-2-6-5-3-4	1-5-6-2-3-4	5-6-4-3-2-1	3-6-1-4-5-2
MC-51	1-6-2-3-5-4	4-2-6-5-1-3	6-1-3-5-2-4	5-4-6-2-3-1	5-3-2-6-4-1
MR-63	5-2-1-3-4-6	6-2-4-5-3-1	5-3-4-2-6-1	6-1-4-3-5-2	3-4-2-6-1-5
MZ-89	1-3-5-2-4-6	6-2-3-5-4-1	1-5-4-2-6-3	2-3-6-1-5-4	1-2-6-3-4-5
PC-69	6-5-4-1-2-3	5-2-4-3-1-6	4-3-1-6-5-2	3-1-2-6-5-4	5-4-6-3-2-1
PP-39	4-1-3-5-6-2	4-1-3-2-5-6	6-4-2-3-5-1	4-6-2-1-5-3	3-5-6-1-2-4
RG-21	3-4-2-6-1-5	6-1-2-4-5-3	1-4-3-2-5-6	1-5-3-2-4-6	2-5-3-6-4-1
TF-91	4-1-5-3-6-2	1-4-2-5-6-3	2-3-5-4-1-6	5-1-6-2-4-3	3-2-1-5-6-4
TU-35	5-3-1-2-6-4	4-2-5-1-6-3	1-3-4-5-2-6	3-2-6-1-5-4	1-6-2-5-3-4
UK-10	6-1-2-4-5-3	3-5-2-1-4-6	2-5-3-6-4-1	3-5-1-2-6-4	5-1-6-3-2-4
VR-26	2-5-6-4-1-3	1-3-4-2-6-5	3-2-5-4-1-6	3-1-6-5-2-4	4-1-2-3-6-5
VW-90	2-1-5-3-6-4	5-1-6-4-2-3	5-4-6-3-2-1	6-3-5-2-4-1	6-1-3-2-5-4
WC-16	3-4-6-2-5-1	4-1-5-2-6-3	3-6-5-1-2-4	5-4-1-2-3-6	4-5-1-6-2-3
WC-37	5-3-2-6-4-1	2-5-6-4-3-1	2-5-6-4-3-1	1-5-3-6-2-4	3-2-5-4-6-1
WH-32	2-3-1-4-5-6	5-1-2-3-6-4	2-6-3-4-5-1	4-5-6-1-2-3	4-3-2-5-1-6
XF-45	2-3-6-1-4-5	2-6-4-3-5-1	3-1-2-5-4-6	4-2-5-1-3-6	4-1-3-6-5-2
XN-43	5-1-4-3-6-2	6-1-5-2-3-4	3-4-6-1-2-5	3-6-2-5-1-4	3-4-6-1-5-2
ZC-62	6-2-5-3-4-1	2-4-3-6-5-1	6-3-2-5-4-1	2-6-3-4-1-5	6-3-1-4-2-5

BACKUP TABLE (β)

Protocol	2 cables remaining	3 cables remaining	4 cables remaining	5 cables remaining	6 cables remaining
AJ-25	4-5-3-1-2-6	4-3-6-2-1-5	2-5-1-3-6-4	4-6-3-1-5-2	2-3-1-6-4-5
CC-68	1-2-3-6-5-4	6-4-3-2-5-1	5-4-3-2-1-6	4-6-1-5-2-3	4-2-6-3-5-1
CV-13	1-6-5-3-2-4	5-2-6-1-3-4	2-3-5-4-6-1	4-2-5-3-1-6	3-4-5-2-6-1
EC-12	5-2-6-4-3-1	6-3-1-5-4-2	1-5-6-4-2-3	3-2-6-1-4-5	2-1-4-6-3-5
EW-64	5-4-3-2-6-1	1-3-5-4-2-6	6-5-3-1-4-2	5-6-2-1-3-4	2-1-3-6-4-5
FF-70	5-6-2-4-1-3	1-3-4-5-2-6	6-4-2-3-1-5	2-4-1-6-5-3	3-1-4-5-2-6
FN-98	3-1-4-2-6-5	6-4-5-3-2-1	2-3-5-4-1-6	4-6-2-1-3-5	2-1-6-3-4-5
GV-81	3-2-6-5-1-4	5-6-4-3-1-2	1-2-5-4-6-3	4-5-2-3-6-1	6-2-1-5-3-4
JP-86	3-4-2-5-6-1	5-2-1-3-6-4	6-4-2-3-1-5	4-6-3-2-1-5	1-2-3-6-4-5
JV-58	4-2-6-1-5-3	6-2-4-1-5-3	2-1-3-5-4-6	3-6-1-5-4-2	6-1-5-3-2-4
KP-19	5-2-1-4-6-3	6-3-2-5-1-4	1-3-2-6-5-4	4-5-1-2-6-3	6-1-3-4-2-5
KW-80	2-1-6-3-5-4	4-2-5-3-6-1	2-6-3-4-5-1	1-5-6-3-2-4	3-5-6-2-1-4
LP-66	3-1-2-4-5-6	1-5-3-4-2-6	2-3-6-4-5-1	3-2-5-1-4-6	5-4-1-3-2-6
MC-51	5-4-3-6-2-1	5-3-2-1-4-6	2-6-3-5-1-4	1-4-5-3-6-2	1-2-3-4-5-6
MR-63	6-5-2-4-1-3	6-1-3-5-2-4	4-2-6-3-5-1	6-3-4-2-5-1	5-1-6-3-2-4
MZ-89	2-5-4-3-6-1	5-2-3-1-6-4	1-3-2-5-4-6	5-6-2-3-1-4	4-5-6-2-1-3
PC-69	6-3-2-1-5-4	2-4-6-5-1-3	1-4-6-3-5-2	6-1-3-5-2-4	1-3-4-2-6-5
PP-39	6-4-2-3-5-1	1-2-6-4-3-5	3-5-4-6-2-1	2-6-5-4-3-1	5-1-4-6-3-2
RG-21	3-2-1-5-6-4	4-1-6-3-2-5	3-4-5-6-1-2	4-6-1-3-5-2	3-4-6-5-1-2
TF-91	5-2-1-3-4-6	6-1-3-4-5-2	1-6-4-5-3-2	5-4-2-1-3-6	6-3-4-2-1-5
TU-35	2-3-6-4-1-5	5-4-3-2-6-1	3-5-1-4-6-2	1-2-3-5-6-4	1-3-5-6-2-4
UK-10	5-2-4-6-3-1	3-4-1-2-5-6	6-2-1-5-3-4	3-5-4-1-6-2	1-2-3-4-5-6
VR-26	5-1-4-6-2-3	2-3-6-4-5-1	5-1-6-4-3-2	4-5-3-6-2-1	1-2-3-5-4-6
VW-90	2-6-1-4-3-5	3-1-2-4-5-6	3-2-4-1-6-5	5-2-6-1-3-4	5-4-3-6-1-2
WC-16	6-5-2-3-4-1	4-5-3-1-6-2	6-1-2-4-5-3	5-1-4-3-6-2	1-4-3-5-6-2
WC-37	4-6-3-1-2-5	5-1-3-4-6-2	1-3-2-5-6-4	3-2-5-1-4-6	4-1-3-2-5-6
WH-32	1-4-6-3-5-2	5-4-3-1-6-2	5-3-1-6-4-2	5-6-4-2-1-3	2-5-1-6-3-4
XF-45	2-3-5-1-6-4	3-2-1-6-5-4	6-2-4-1-5-3	3-1-5-4-6-2	3-6-2-4-5-1
XN-43	5-6-2-1-4-3	6-5-4-3-2-1	6-5-3-4-1-2	2-3-5-4-6-1	6-4-2-5-1-3
ZC-62	2-3-6-4-5-1	5-4-3-1-6-2	1-6-4-3-5-2	4-5-3-2-6-1	4-2-6-3-5-1