MARK®

PARMATRIX 25

User Manual / Instrucciones de Uso

v. 1.0

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This symbol on the product or on its packaging indicates that this product shall not be treated as household waste. Instead it shall be handed over to the applicable collection point for the recycling of electrical an electronic equipment. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. The recycling of materials will help to conserve natural resources. For more detailed information about recycling of this product, please contact your local city office, your household waste disposal service or the shop where you purchased the product.

Este símbolo en su equipo o embalaje, indica que el presente producto no puede ser tratado como residuos domésticos normales, sino que deben entregarse en el correspondiente punto de recogida de equipos electrónicos y eléctricos. Asegurándose de que este producto es desechado correctamente, Ud. está ayudando a prevenir las consecuencias negativas para el medio ambiente y la salud humana que podrían derivarse de la incorrecta manipulación de este producto. EL reciclaje de materiales ayuda a conservar las reservas naturales. Para recibir más información, sobre el reciclaje de este producto, contacte con su ayuntamiento, su punto de recogida más cercano o el distribuidor donde adquirió el producto.

WARNING

CAUTION!
Keep this device away from rain and moisture!
Unplug mains lead before opening the housing!

FROM YOUR OWN SAFETY, PLEASE READ THIS USER MANUAL CAREFULLY BEFORE YOUR INITIAL START-UP!

SAFETY INSTRUCTIONS

Even person involved with the installation, operation ans maintenance of this device has to:
- Be qualified
- Follow the instructions of this manual.

CAUTION! Be careful with your operations.
With a dangerous voltage you can suffer
a dangerous electric shock when touching the wires!

Before your initial start-up, please make sure that there is no damage caused by transportation. Should there be any, consult your dealer and do not use the device.

To maintain perfect condition and to ensure a safe operation, it is absolutely necessary for the user to follow the safety instructions and warning notes written in this manual.

Please, consider that damages caused by manual modifications to the device are not subjetc to warranty.

This device contains no user-serviciable parts. Refer servicing to qualified technician only.

IMPORTANT

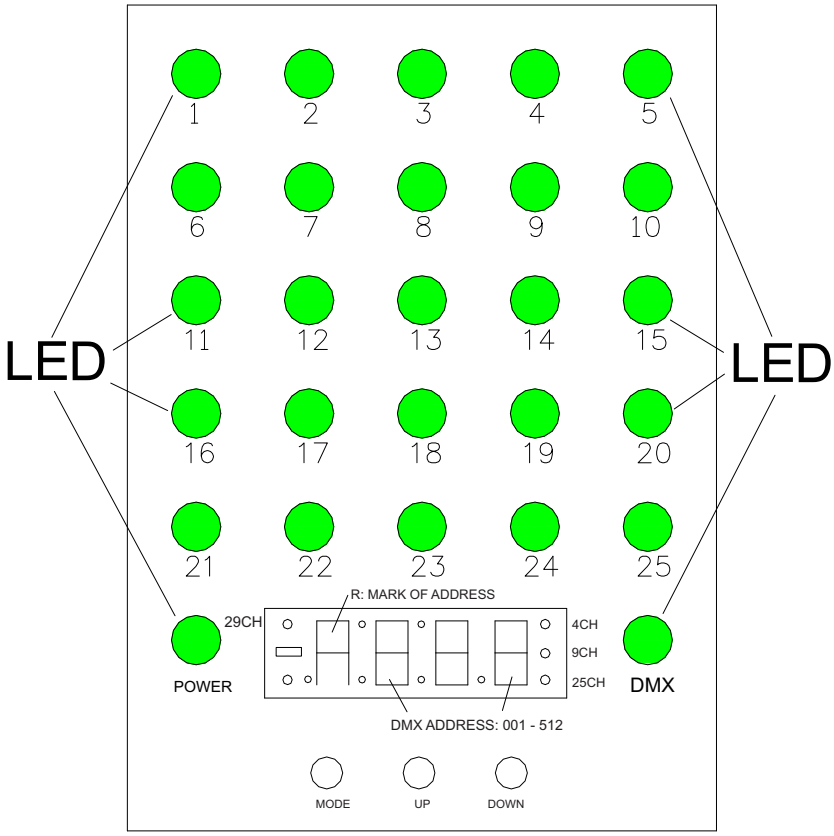
EQUIPSON will not accept liability for any resulting damages caused by non-observance of this manual or any unauthorized modification to the device.

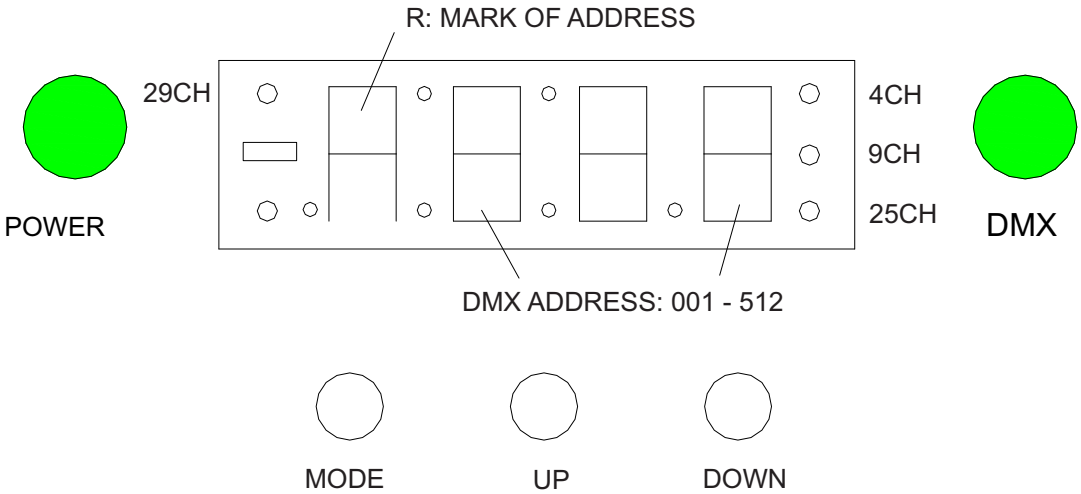
- Never let the power-cord como into contact with other cables! Handle the power cord and all connections with the mains with particular caution!
- Never remove warning or informative labels from the unit.
- Do not open the device and do not modify the device.
- Never use anything to cover the ground contact.
- Never look directly into the light source.
- Never leave any cables lying around.
- Never use the device during thunderstorms, unplug the device immediately.
- Do not insert object into air vents.
- Do not connect this device to a dimmerpack.
- Do not switch the device on and off in short intervals, as this would reduce the lamp's life.
- Do not touch the device's housing bare-handed during its operation (housing become very hot).
- Do not shake the device. Avoid brute force when installing or operating the device.
- Only use device indoor, avoid contact with water or other liquid.
- Only operate the fixture after having checked that the housing is firmly closed and all screws are tighty fastened.
- Only operate the device after having familiarized with its functions.
- Avoid flames and do not put close to flammable liquid or gases.
- Always replace the lamp, when it is damaged or deformed due to the heat.
- Always keep case closed while operating.

DESCRIPTION

This is a 5x5 lighting device, 255 scenes plus 146 built-in already (See attachment patterns & chases information). The device have four DMX operating modes: 4 CH, 9 CH, 25 CH, 29 CH. Please read carefully before operation.

REAR PANEL





DMX OPERATING MODES

MODE 1: Basic mode
4 Channels

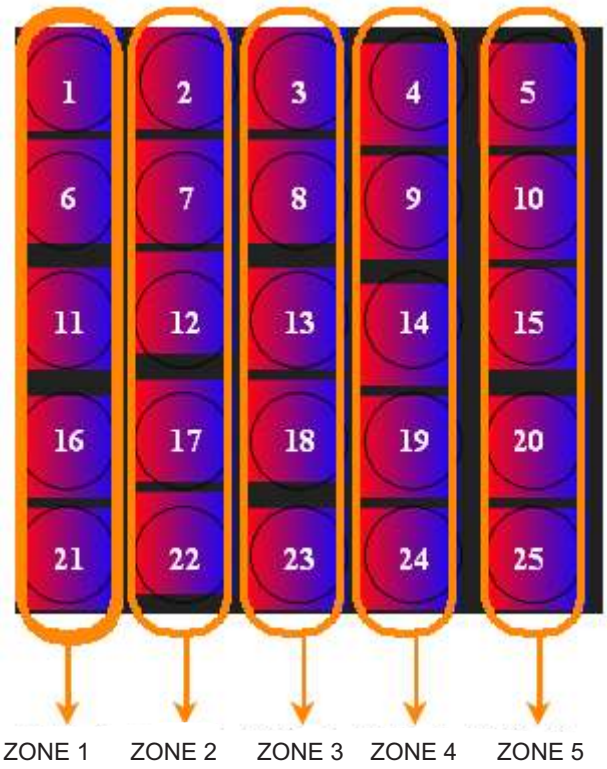
CH1: GENERAL DIMMER 0-100%
CH2: MACROS 1 (STATIC)
CH3: MACROS 2 (DYNAMIC)
CH4: SPEED OF CH3

MODE 2: Zones Mode
9 Channels

CH1: GENERAL DIMMER 0-100%
CH2: MACROS 1 (STATIC)
CH3: MACROS 2 (DYNAMIC)
CH4: SPEED OF Ch3
CH5: 0 - 100% ZONE 1
CH6: 0 - 100% ZONE 2
CH7: 0 - 100% ZONE 3
CH8: 0 - 100% ZONE 4
CH9: 0 - 100% ZONE 5

MODE 3: Matrix Mode
25 Channels

CH1: 0 - 100% LAMP 1
CH2: 0 - 100% LAMP 2
CH3: 0 - 100% LAMP 3
CH4: 0 - 100% LAMP 4
CH5: 0 - 100% LAMP 5
CH6: 0 - 100% LAMP 6
CH7: 0 - 100% LAMP 7
CH8: 0 - 100% LAMP 8
CH9: 0 - 100% LAMP 9
CH10: 0 - 100% LAMP 10
CH11: 0 - 100% LAMP 11
CH12: 0 - 100% LAMP 12
CH13: 0 - 100% LAMP 13
CH14: 0 - 100% LAMP 14
CH15: 0 - 100% LAMP 15
CH16: 0 - 100% LAMP 16
CH17: 0 - 100% LAMP 17
CH18: 0 - 100% LAMP 18
CH19: 0 - 100% LAMP 19
CH20: 0 - 100% LAMP 20
CH21: 0 - 100% LAMP 21
CH22: 0 - 100% LAMP 22
CH23: 0 - 100% LAMP 23
CH24: 0 - 100% LAMP 24
CH25: 0 - 100% LAMP 25



MODE 4: Extended Mode
29 Channels

CH1: GENERAL DIMMER 0-100%
CH2: MACROS 1 (STATIC)
CH3: MACROS 2 (DYNAMIC)
CH4: SPEED OF CH3
CH5: 0 - 100% LAMP 1
CH6: 0 - 100% LAMP 2
CH7: 0 - 100% LAMP 3
CH8: 0 - 100% LAMP 4
CH9: 0 - 100% LAMP 5
CH10: 0 - 100% LAMP 6
CH11: 0 - 100% LAMP 7
CH12: 0 - 100% LAMP 8
CH13: 0 - 100% LAMP 9
CH14: 0 - 100% LAMP 10
CH15: 0 - 100% LAMP 11
CH16: 0 - 100% LAMP 12
CH17: 0 - 100% LAMP 13
CH18: 0 - 100% LAMP 14
CH19: 0 - 100% LAMP 15
CH20: 0 - 100% LAMP 16
CH21: 0 - 100% LAMP 17
CH22: 0 - 100% LAMP 18
CH23: 0 - 100% LAMP 19
CH24: 0 - 100% LAMP 20
CH25: 0 - 100% LAMP 21
CH26: 0 - 100% LAMP 22
CH27: 0 - 100% LAMP 23
CH28: 0 - 100% LAMP 24
CH29: 0 - 100% LAMP 25

NOTES

- 29 CH mode:
  1. If CH 3 ≠ 00, CH 2 and CH 5 to CH 29 invalid.
  2. If CH 3 = 00 and CH 2 ≠ 00, CH 5 to CH 29 invalid.
  3. If CH 3 = 00 and CH 2 = 00, CH 5 to CH 29 valid.

- 4 CH & 9 CH mode:
  1. If CH 3 ≠ 00, CH 2 invalid
  2. If CH 3 = 00, CH 2 valid

Channel 2
CH 2: STATIC Macros
This channel incorporates 256 static patterns (See closed table)

Channel 3 and Channel 4:

CH 3: DYNAMIC Macros

In channel 3 there are stored some BUILT-IN effects, but in this case, they are not static, each value of the channel c orresponds to a CHASE with various steps. Maximum number of steps of one chase is 35. The chase will loop, it means when the chase is finished will start again.

CH 3 DYNAMIC PROGRAM:
1. 001-043: 43 built-in programs.
2. 044-127: No program
3. 128-230: 103 built-in programs
4. 231-255: No program

Example: CHANNEL 3 VALUE 000: In this position is stores the following sequence:
"PARMATRIX DESIGNS BY EQUIPSON"
This is a Chase of 26 steps: First step corresponds to "P", 2nd to "A", and so on till the last step. After the last step, the chase restars again.

CH 4: Speed

With channel 4 we control the speed of the channel 3, and ther direction of the chase, if it is running FORWARD OR REWIND (BACKWARD).

Values:

- Value 000 - 050: STOP
- Value 051 - 150: 0.1 seconds to 10 seconds FORWARD SPEED
- Value 151 - 250: 0.1 seconds to 10 seconds REWIND SPEED
- Value 251 - 255: STOP

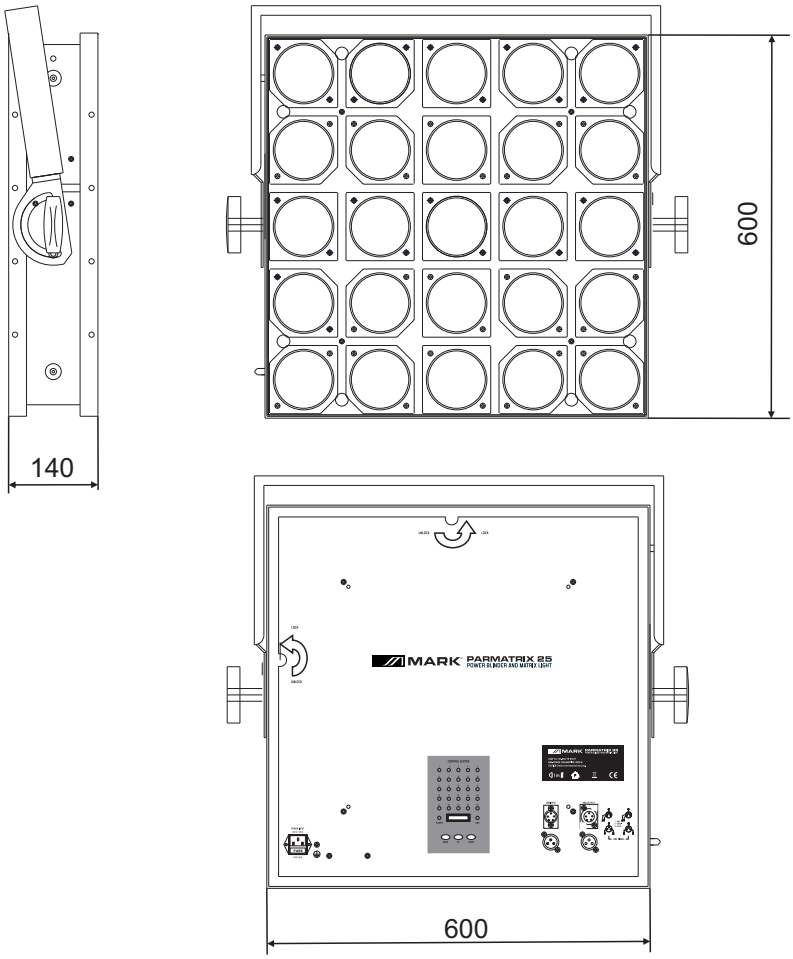
Example: If we have selected in channel 3 the value 000, that corresponds to the chase mentioned above:
"PARMATRIX DESIGNS BY EQUIPSON"

Then in channel 4 we have selected:

- Value 000 - 050: The fixture will show "P"
- Value 051: The fixture will start to show the chase at the minimum speed.
- Value 052: increase of speed
- .....
- Value 150: Maximum speed
- Value 151: The fixture will start to show the chase in rewind mode at the minimum speed.
- Value 152: increse of speed
- .....
- Value 250: Maximum speed in rewind mode
- Value 251 - 255: STOP

DIMENSIONS

in mm.



TECHNICAL DATA

Operating modes	4 CH BASIC MODE
	9 CH ZONE MODE
	25 CH MATRIX MODE
	29 CH ADVANCED MODE
Built-in Patterns	146 patterns (dynamic)
Lamp Type	25x PAR 30 75W E27 (included)
Angle	30º
Power supply	220-240V / 50-60 Hz
Consumption	1900 W
Dimensions	600 x 600 x 140 mm
Weight	17 kg

ATENCION

PRECAUCION!
Mantenga el dispositivo apartado del agua y la humedad!
Desconecte el cable de alimentación antes de abrir la unidad!

POR SU PROPIA SEGURIDAD, POR FAVOR, LEA ESTA MANUAL CUIDADOSAMENTE ANTES DE SU PUESTA EN MARCHA INICIAL!

INSTRUCCIONES DE SEGURIDAD

Cada persona implicada en la instalación, manejo y mantenimiento de este dispositivo debe:
- Estar cualificado
- Seguir las instrucciones de este manual.

PRECAUCION! Sea cuidadoso con su manejo!
Con un voltaje peligroso puede sufrir descargas eléctricas peligrosas al tocar los cables.

Antes de su puesta en marcha inicial, asegúrese que no se han producido daños durante el transporte. Caso de haber ocurrido, contacte con su distribuidor y no use el dispositivo.

Para mantener la unidad en perfectas condiciones y asegurar un uso seguro, es absolutamente necesario que el usuario siga las instrucciones de seguridad y avisos contenidos en este manual.

Por favor, considere que los daños causados por modificaciones manuales en el dispositivo no están sujetas a garantía. Este dispositivo contiene elementos no utilizables por el usuario. Diríjase únicamente a un técnico cualificado.

IMPORTANTE

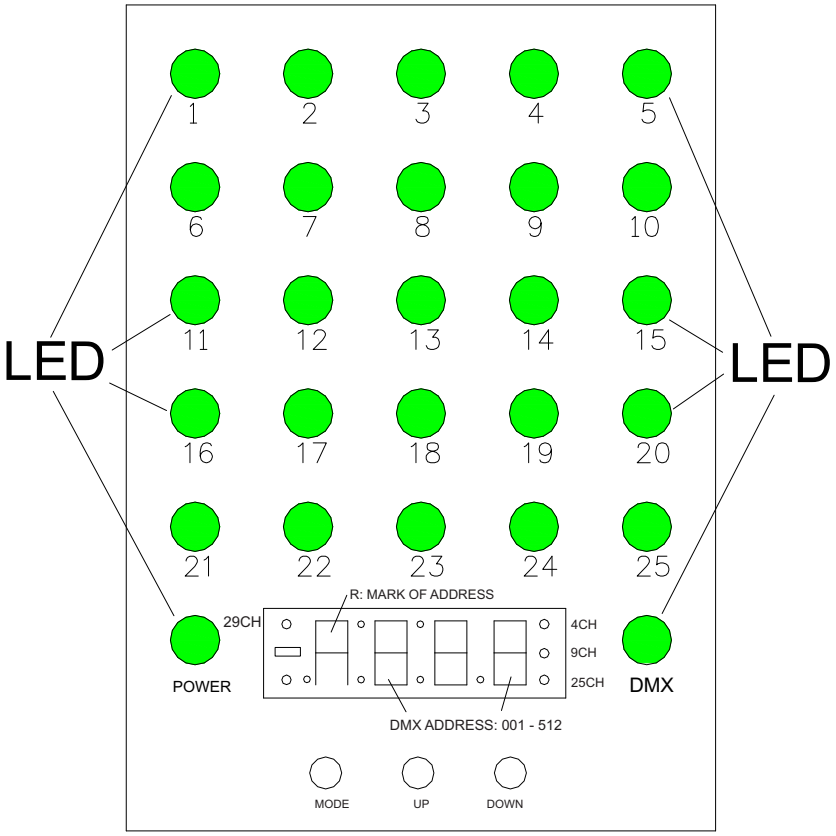
EQUIPSON no acepta ninguna responsabilidad como resultado de cualquier daño causado por la no observancia de este manual o cualquier modificación no autorizada en este dispositivo.

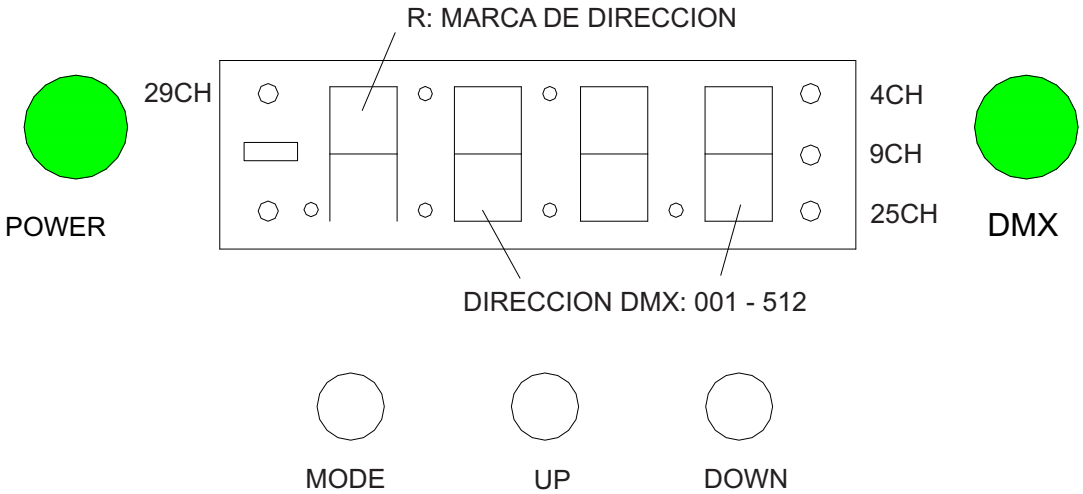
- Nunca deje que el cable de alimentación entre en contacto con otros cables! Maneje el cable de alimentación y sus conexiones con particular precaución!
- Nunca retire etiquetas sobre avisos o información.
- No abra el dispositivo ni tampoco lo modifique.
- No tape o anule la toma de tierra.
- No mire directamente a la fuente lumínica.
- No deje cables enrollados alrededor de la unidad.
- No use el dispositivo durante tormentas eléctricas, desconéctelo de inmediato.
- No inserte objetos por las tomas de aire.
- No conecte este dispositivo a un dimmer.
- No apague y enciendo el dispositivo en intervalos cortos, reducirá la vida útil de la lámpara.
- No toque la carcasa con las manos desnudas estando en funcionamiento, la carcasa puede alcanzar temperaturas altas.
- No sacuda la unidad. Evite la fuerza bruta al instalar o manejar la unidad.
- Use el dispositivo sólo en interior. mantenga la unidad apartada del agua u otros líquidos.
- Maneje la unidad sólo después de haberse familiarizado con sus controles y funciones
- Evite el fuego y no coloque la unidad cerca de líquidos o gases inflamables.
- Sustituya siempre la lámpara cuando esté dañada o deformada por el calor.
- Mantenga siempre cerrada la carcasa de la unidad mientras esté funcionando.

DESCRIPCION

Este dispositivo matricial 5x5 incorpora 255 escena smás 146 patrones preconfigurados (Ver cuadros adjuntos sobre patrones fijos y estáticos).
El dispositivo incorpora 4 modos de funcionamiento DMX: 4 CH, 9 CH, 25 CH, 29 CH. Por favor, lea cuidadosamente el manual antes de su puesta en marcha inicial.

PANEL TRASERO





MODOS DE FUNCIONAMIENTO DMX

MODO 1: Modo Básico
4 Canales

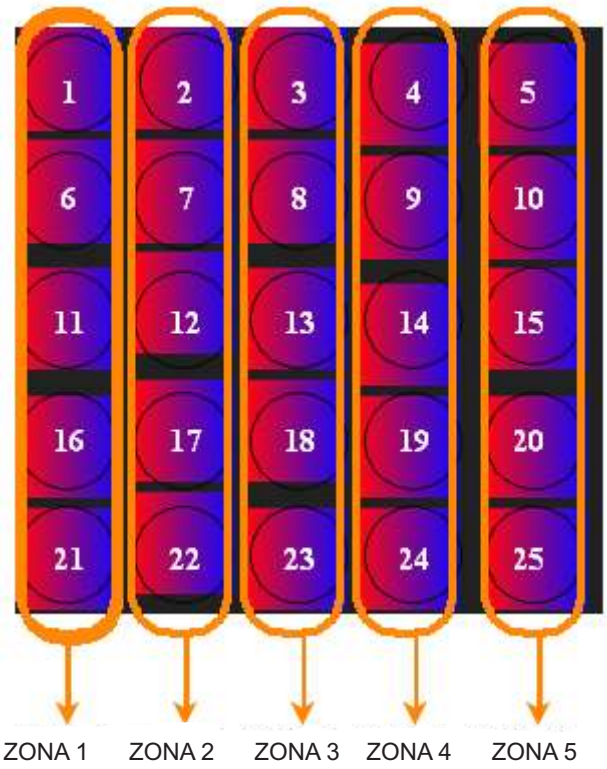
CH1: DIMMER GENERAL 0-100%
CH2: MACROS 1 (ESTATICO)
CH3: MACROS 2 (DINAMICO)
CH4: VELOCIDAD DE CH3

MODO 2: Modo Zonal
9 Channels

CH1: DIMMER GENERAL 0-100%
CH2: MACROS 1 (ESTATICO)
CH3: MACROS 2 (DINAMICO)
Ch4: VELOCIDAD DE CH3
CH5: 0 - 100% ZONA 1
CH6: 0 - 100% ZONA 2
CH7: 0 - 100% ZONA 3
CH8: 0 - 100% ZONA 4
CH9: 0 - 100% ZONA 5

MODO 3: Modo Matriz
25 Canales

CH1: 0 - 100% LAMPARA 1
CH2: 0 - 100% LAMPARA 2
CH3: 0 - 100% LAMPARA 3
CH4: 0 - 100% LAMPARA 4
CH5: 0 - 100% LAMPARA 5
CH6: 0 - 100% LAMPARA 6
CH7: 0 - 100% LAMPARA 7
CH8: 0 - 100% LAMPARA 8
CH9: 0 - 100% LAMPARA 9
CH10: 0 - 100% LAMPARA 10
CH11: 0 - 100% LAMPARA 11
CH12: 0 - 100% LAMPARA 12
CH13: 0 - 100% LAMPARA 13
CH14: 0 - 100% LAMPARA 14
CH15: 0 - 100% LAMPARA 15
CH16: 0 - 100% LAMPARA 16
CH17: 0 - 100% LAMPARA 17
CH18: 0 - 100% LAMPARA 18
CH19: 0 - 100% LAMPARA 19
CH20: 0 - 100% LAMPARA 20
CH21: 0 - 100% LAMPARA 21
CH22: 0 - 100% LAMPARA 22
CH23: 0 - 100% LAMPARA 23
CH24: 0 - 100% LAMPARA 24
CH25: 0 - 100% LAMPARA 25



MODO 4: Modo Extendido
29 Canales

CH1: DIMMER GENERAL 0-100%
CH2: MACROS 1 (ESTATICO)
CH3: MACROS 2 (DINAMICO)
Ch4: VELOCIDAD DE CH3
CH5: 0 - 100% LAMPARA 1
CH6: 0 - 100% LAMPARA 2
CH7: 0 - 100% LAMPARA 3
CH8: 0 - 100% LAMPARA 4
CH9: 0 - 100% LAMPARA 5
CH10: 0 - 100% LAMPARA 6
CH11: 0 - 100% LAMPARA 7
CH12: 0 - 100% LAMPARA 8
CH13: 0 - 100% LAMPARA 9
CH14: 0 - 100% LAMPARA 10
CH15: 0 - 100% LAMPARA 11
CH16: 0 - 100% LAMPARA 12
CH17: 0 - 100% LAMPARA 13
CH18: 0 - 100% LAMPARA 14
CH19: 0 - 100% LAMPARA 15
CH20: 0 - 100% LAMPARA 16
CH21: 0 - 100% LAMPARA 17
CH22: 0 - 100% LAMPARA 18
CH23: 0 - 100% LAMPARA 19
CH24: 0 - 100% LAMPARA 20
CH25: 0 - 100% LAMPARA 21
CH26: 0 - 100% LAMPARA 22
CH27: 0 - 100% LAMPARA 23
CH28: 0 - 100% LAMPARA 24
CH29: 0 - 100% LAMPARA 25

NOTAS

- Modo 29 CH :
  1. Si CH 3 ≠ 00, CH 2 y CH 5 a CH 29 no actúan.
  2. Si CH 3 = 00 y CH 2 = ∅0, CH 5 a CH 29 no actúan.
  3. Si CH 3 = 00 y CH 2 = 00, CH 5 a CH 29 son válidos.

- Modos 4 CH y 9 CH:
  1. Si CH 3 ≠ 00, CH 2 no actúa.
  2. Si CH 3 = 00, CH 2 es válido.

Canal 2

CH 2: Macros ESTATICOS

Este canal dispone de 256 patrones estáticos (Ver tabla adjunta)

Canal 3 y Canal 4:

CH 3: Macros DINAMICOS

En el canal 3 están almacenados varios efectos incorporados, pero en este caso, no son estáticos, cada valor en el canal corresponde a un CHASE con varios pasos. El máximo número de pasos es un chase es de 35. Los chase f uncionan en modo loop, es decir, cuando finaliza vuelve a reiniciarse.

CH 3 PROGRAMAS DINAMICOS:
1. 001-043: 43 programas incorporados.
2. 044-127: Sin programa
3. 128-230: 103 programas incorporados
4. 231-255: Sin programa

Ejemplo: CANAL 3 VALOR 000: En esta posción está almacenada la siquietne secuencia:

"PARMATRIX DESIGNS BY EQUIPSON"

Es un chase de 26 pasos: El primer paso corresponde a "P", el 2º a "A", y así hasta el último paso. Después de el último paso, vuelve a empezar.

CH 4: Velocidad

Con el canal 4 controlamos la velocidad del canal 3 y la dirección del chase, si se ejecuta hacia ADELANTE o hacia ATRAS.

Valores:

- Valor 000 - 050: STOP
- Valor 051 - 150: 0.1 segundos a 10 segundos VELOCIDAD HACIA ADELANTE
- Valor 151 - 250: 0.1 segundos a 10 segundos VELOCIDAD HACIA ATRAS
- Valor 251 - 255: STOP

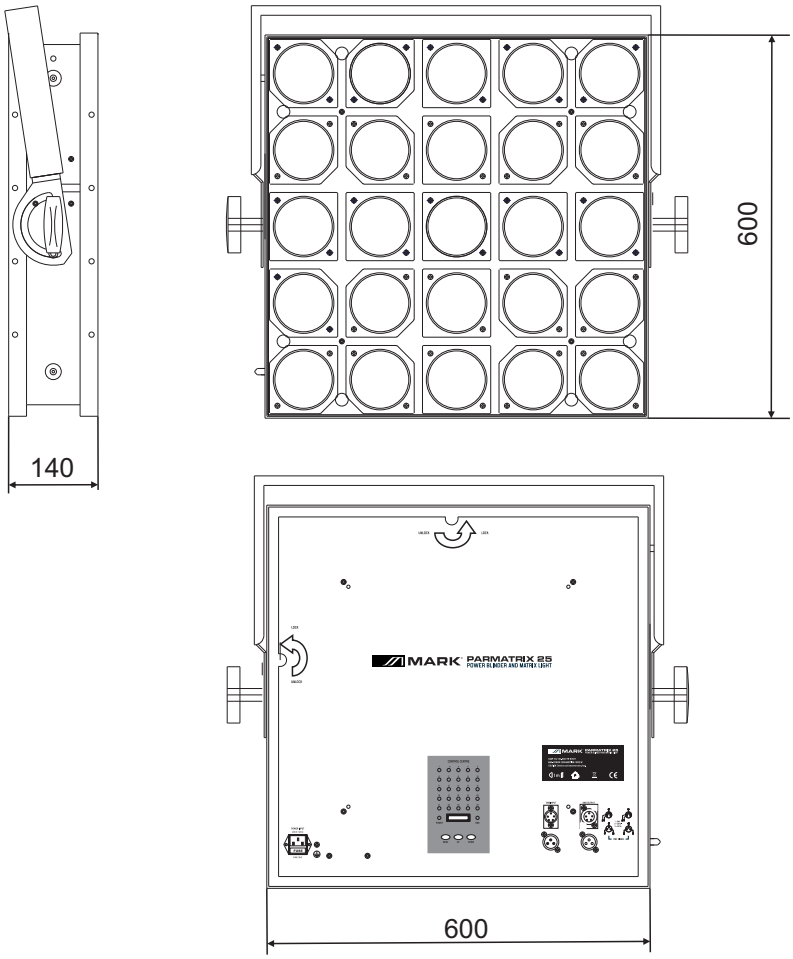
Ejemplo: Si en el canal 3 ha seleccionado el valor 000, corresponde al chase mencionado anteriormente:
"PARMATRIX DESIGNS BY EQUIPSON"

Entonces cuando en el canal 4 seleccione:

- Valor 000 - 050: La unidad muestra "P"
- Valor 051: La unidad comienza a mostrar el chase hacia adelante a la velocidad mínima.
- Valor 052: Incremento de velocidad
- .....
- Valor 150: Velocidad máxima
- Valor 151: La unidad comienza a mostrar el chase hacia atrás a la velocidad mínima.
- Valor 152: incremento de velocidad
- .....
- Valor 250: Máxima velocidad hacia atrás
- Valor 251 - 255: STOP

DIMENSIONES

en mm.



DATOS TECNICOS

Modos de Uso	4 CH MODO BASICO
	9 CH MODO ZONAL
	25 CH MODO MATRIZ
	29 CH MODO AVANZADO
Patrones incorporados	146 patrones (dinámicos)
Tipo de Lámpara	25x PAR 30 75W E27 (incluidas)
Angulo	30º
Alimentación	220-240V / 50-60 Hz
Consumo	1900 W
Dimensiones	600 x 600 x 140 mm
Peso	17 kg

STATIC PATTERNS / PATRONES ESTATICOS

001	002	003	004	005	006	007	008	009	010
011	012	013	014	015	016	017	018	019	020
021	022	023	024	025	026	027	028	029	030
031	032	033	034	035	036	037	038	039	040
041	042	043	044	045	046	047	048	049	050
051	052	053	054	055	056	057	058	059	060
061	061	062	063	064	065	066	067	068	069
071	072	073	074	075	076	077	078	079	080
081	082	083	084	085	086	087	088	089	090

STATIC PATTERNS (Continued) / PATRONES ESTATICOS (Continuación)

091	092	093	094	095	096	097	098	099	100
101	102	103	104	105	106	107	108	109	110
111	112	113	114	115	116	117	118	119	120
121	122	123	124	125	126	127	128	129	130
131	132	133	134	135	136	137	138	139	140
141	142	143	144	145	146	147	148	149	150
151	152	153	154	155	156	157	158	159	160
161	162	163	164	165	166	167	168	169	170
171	172	173	174	175	176	177	178	179	180

STATIC PATTERNS (Continued) / PATRONES ESTATICOS (Continuación)

181	182	183	184	185	186	187	188	189	190
191	192	193	194	195	196	197	198	199	200
201	202	203	204	205	206	207	208	209	210
211	212	213	214	215	216	217	218	219	220
221	222	223	224	225	226	227	228	229	230
231	232	233	234	235	236	237	238	239	240
241	242	243	244	245	246	247	248	249	250
251	252	253	254	255	256				

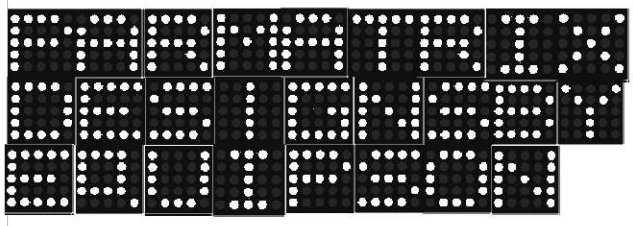
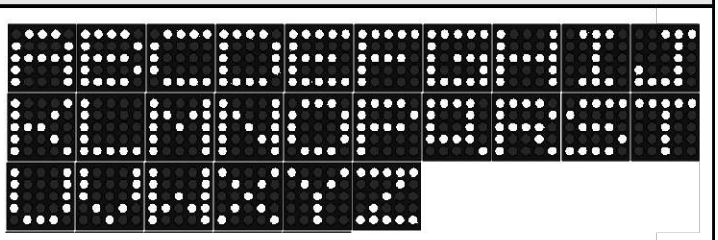
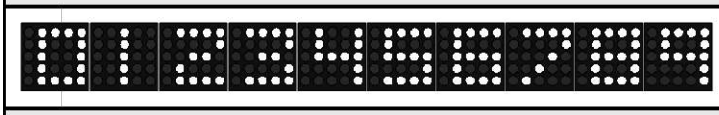
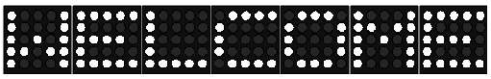
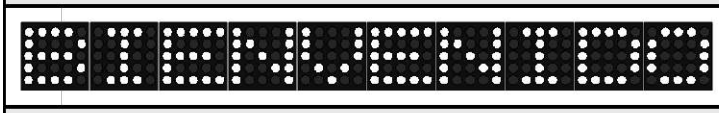
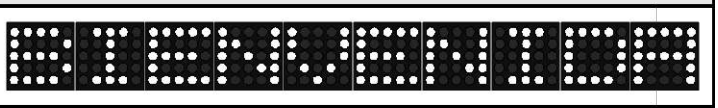
DYNAMIC PATTERNS / PATRONES DINAMICOS

Different Chases have different
NUMBER OF STEPS

Examples:
CHASE 000: 26 steps
CHASE 001: 26 steps.
CHASE 002: 10 steps.
CHASE 003: 7 steps.

Diferentes CHASES tienen diferentes
NUMEROS DE PASOS

Ejemplos:
CHASE 000: 26 pasos
CHASE 001: 26 pasos
CHASE 002: 10 pasos
CHASE 003: 7 pasos

CHASES	
CHASE 000	CHASE 001
	
CHASE 002	CHASE 003
	
CHASE 004	CHASE 005
	
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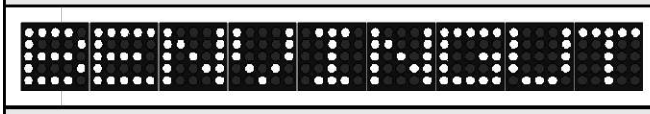	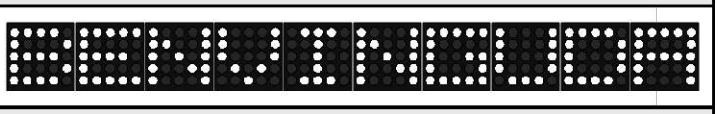
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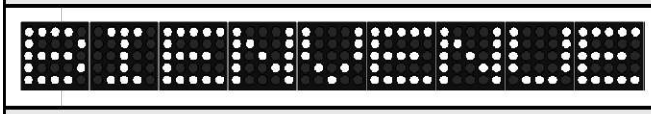
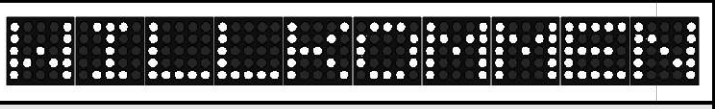
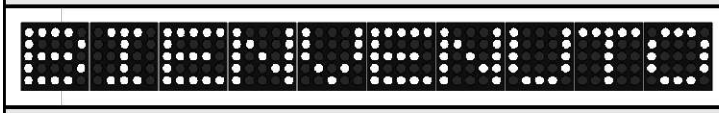
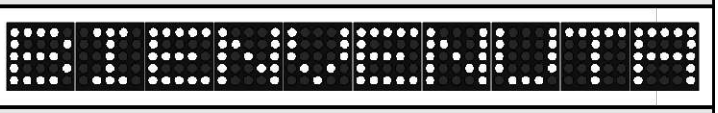
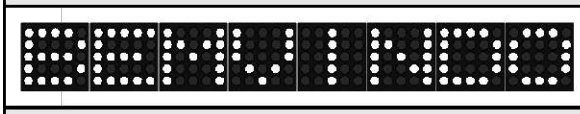
	
CHASE 010	CHASE 011
	
CHASE 012	CHASE 013
	
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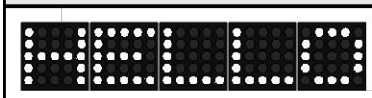
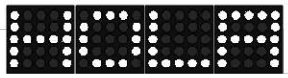
	

CHASE 016	CHASE 017
CHASE 018	CHASE 019
CHASE 020	CHASE 021
CHASE 022	CHASE 023
CHASE 024	CHASE 025
CHASE 026	CHASE 027
CHASE 028	CHASE 029
CHASE 030	CHASE 031
CHASE 032	CHASE 033
CHASE 034	CHASE 035

DYNAMIC PATTERNS (Continued) / PATRONES DINAMICOS (Continuación)

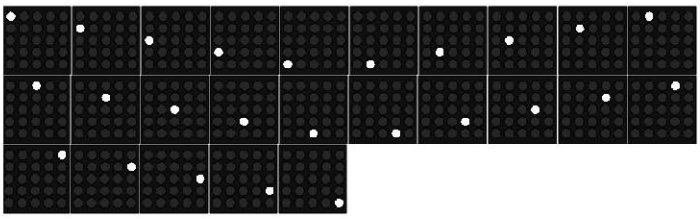
CHASE 036	CHASE 037
CHASE 038	CHASE 039
CHASE 040	CHASE 041
CHASE 042	CHASE 043
CHASE 044	CHASE 045
CHASE 046	CHASE 047
CHASE 048	CHASE 049
CHASE 050	CHASE 051
CHASE 052	CHASE 053

DYNAMIC PATTERNS (Continued) / PATRONES DINAMICOS (Continuación)

CHASE 054	CHASE 055
CHASE 056	CHASE 057
CHASE 058	CHASE 059
CHASE 060	CHASE 061
CHASE 062	CHASE 063
CHASE 064	CHASE 065
CHASE 066	CHASE 067
CHASE 068	CHASE 069
CHASE 070	CHASE 071
CHASE 072	CHASE 073
CHASE 074	CHASE 075

DYNAMIC PATTERNS (Continued) / PATRONES DINAMICOS (Continuación)

CHASE 076



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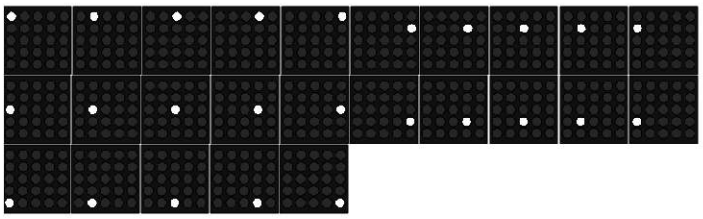

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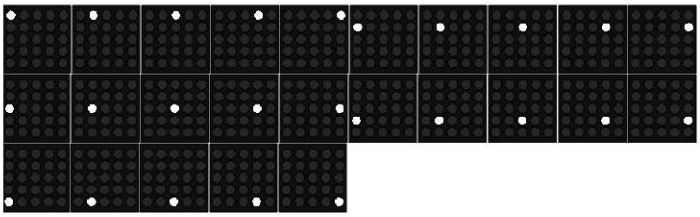

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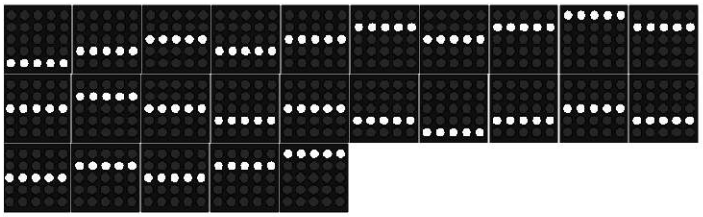

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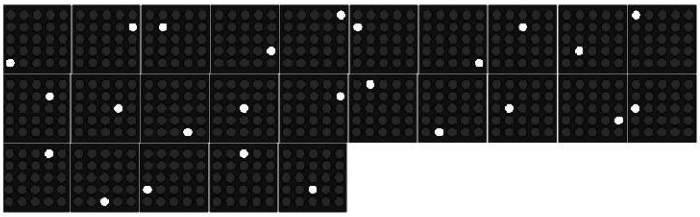

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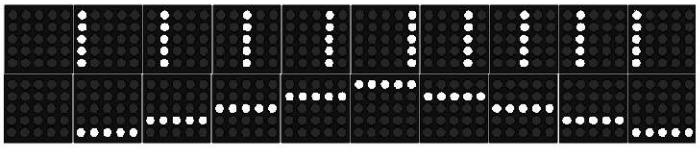

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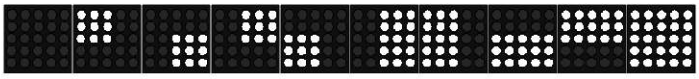

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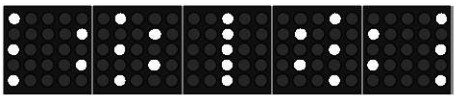
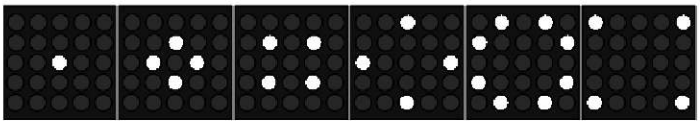
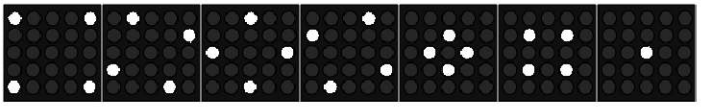


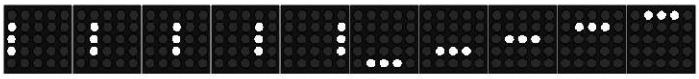
CHASE 084



CHASE 085



CHASE 086



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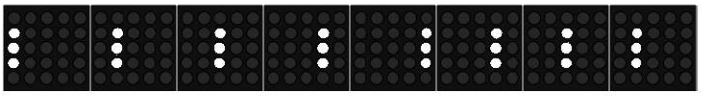

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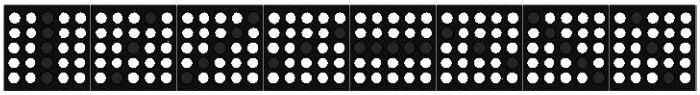
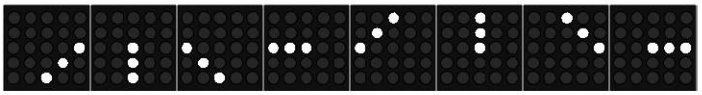


CHASE 089



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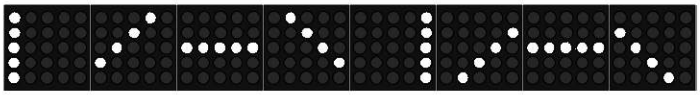
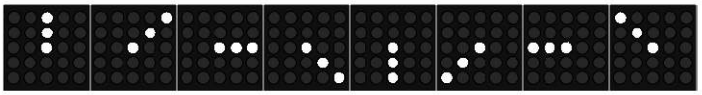
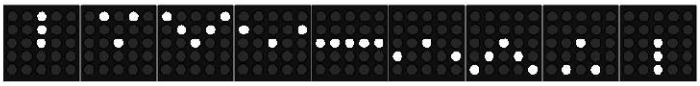


CHASE 091

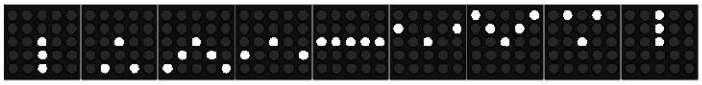


DYNAMIC PATTERNS (Continued) / PATRONES DINAMICOS (Continuación)

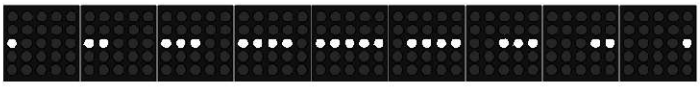
CHASE 092



CHASE 093



CHASE 094



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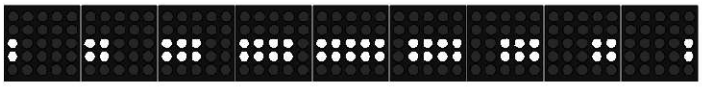

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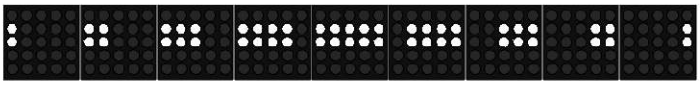
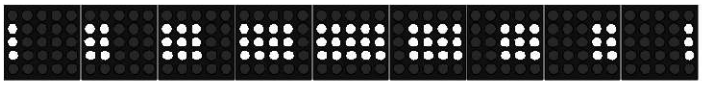


CHASE 097



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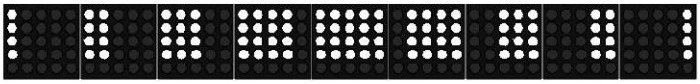
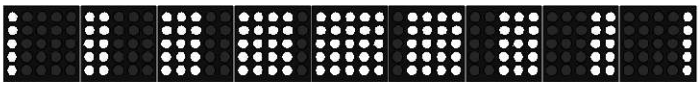
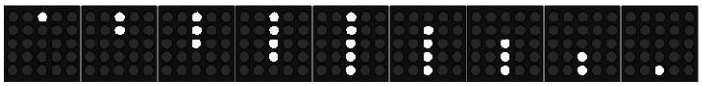


CHASE 099

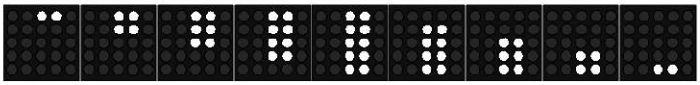
CHASE 100



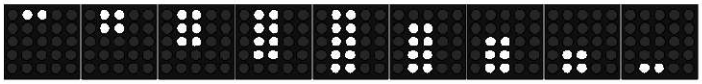
CHASE 101



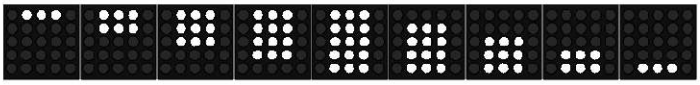
CHASE 102



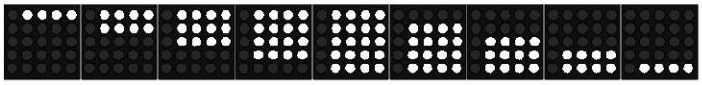
CHASE 103



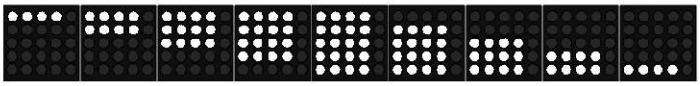
CHASE 104



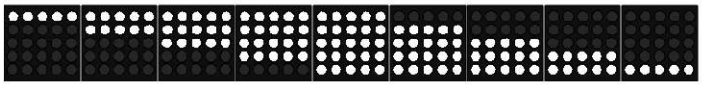
CHASE 105



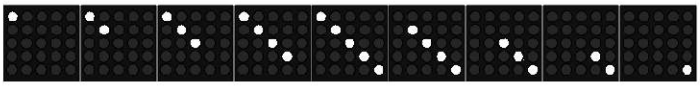
CHASE 106



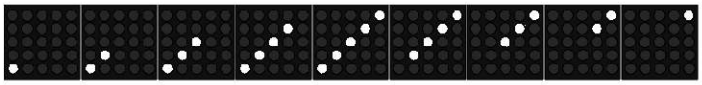
CHASE 107



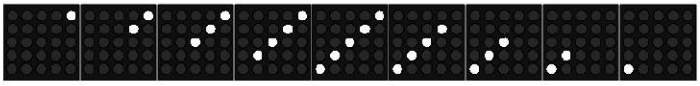
CHASE 108



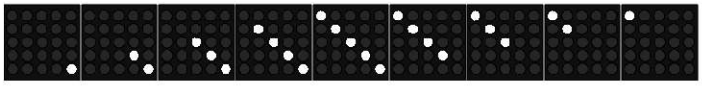
CHASE 109



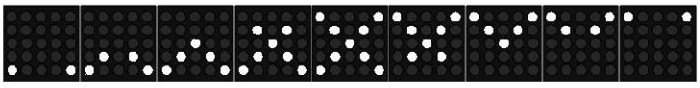
CHASE 110



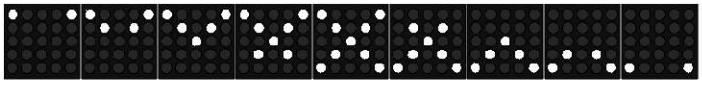
CHASE 111



CHASE 112



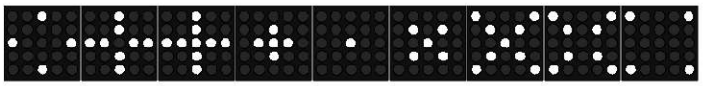
CHASE 113



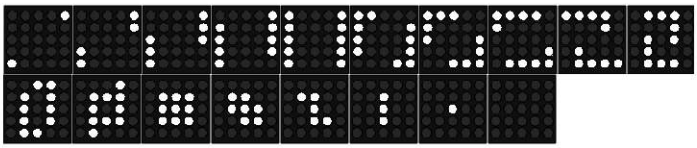
DYNAMIC PATTERNS (Continued) / PATRONES DINAMICOS (Continuación)

CHASE 114

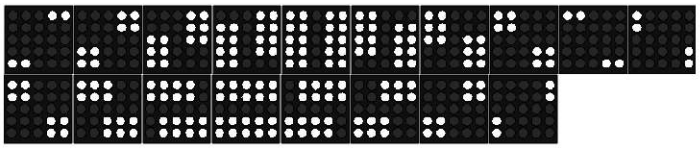
CHASE 115



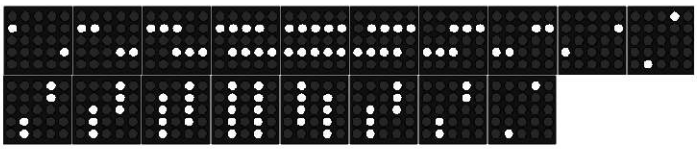
CHASE 116



CHASE 117



CHASE 118



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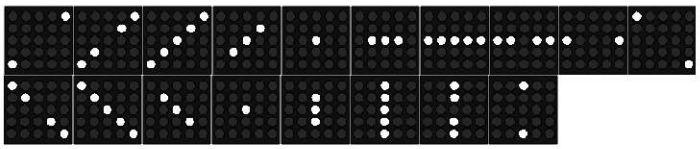

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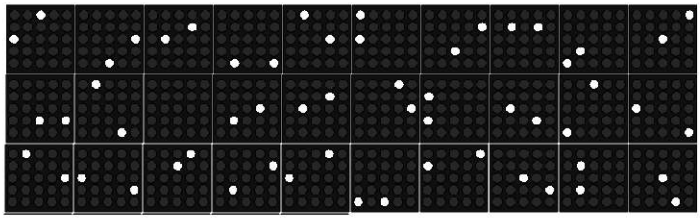
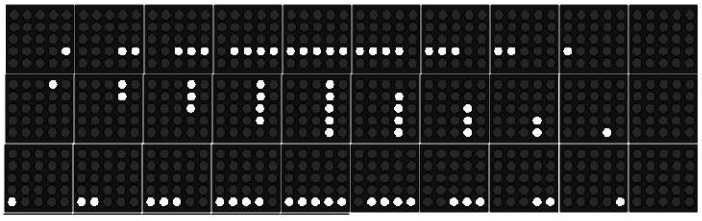


CHASE 121



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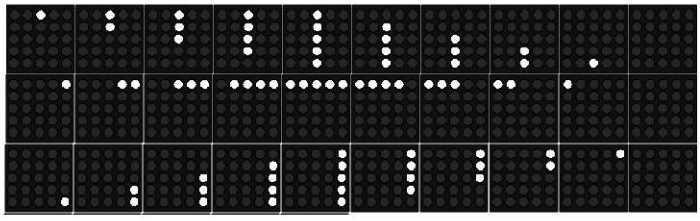

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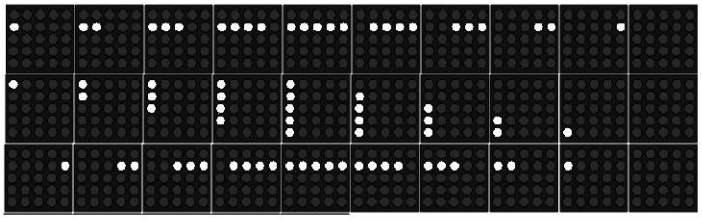

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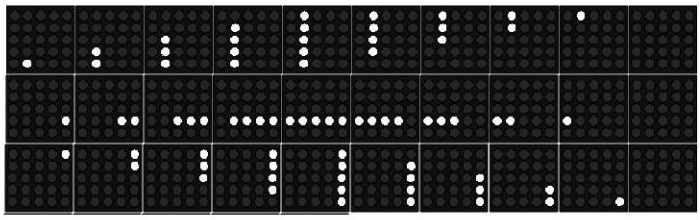
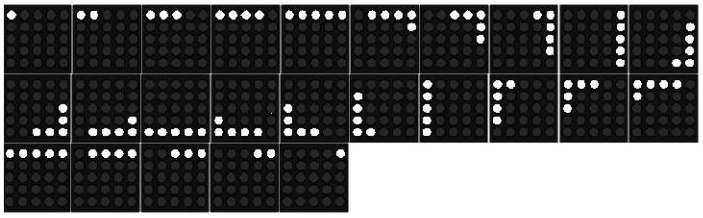
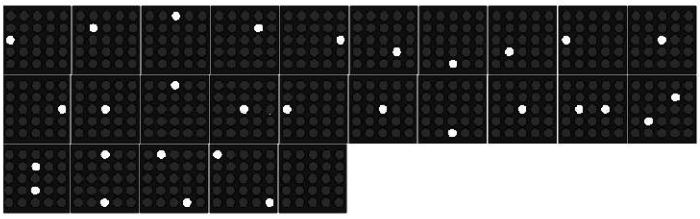


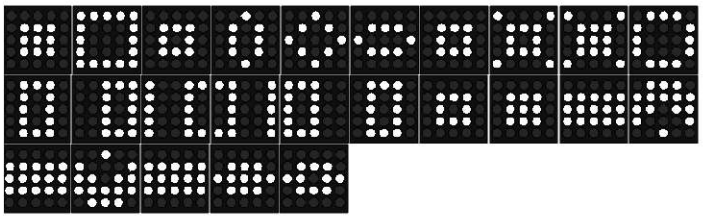
CHASE 125



CHASE 126



CHASE 127



DYNAMIC PATTERNS (Continued) / PATRONES DINAMICOS (Continuación)

CHASE 128		CHASE 129		
CHASE 130		CHASE 131		CHASE 132
CHASE 133	CHASE 134	CHASE 135	CHASE 136	CHASE 137
CHASE 138	CHASE 139	CHASE 140	CHASE 141	CHASE 142
CHASE 143	CHASE 144	CHASE 145		

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