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Dimmer 4 canali con Uscita in Corrente PWM.

Range di alimentazione: 8-53V DC.

Uscita in Corrente PWM con corrente da 0.17A a 1.05A (54.6W a 52V DC) per singolo canale.

In configurazione monocanale corrente da 0.68A a 4.2A (218.4W a 52V). Canali di uscita parallelizzabili.

Controllabile tramite app Android/iOS Newlab Go con differenti modalità: Monocanale, RGB, RGB + White, Bianco dinamico.

Per impostare le modalità di funzionamento e le correnti di uscita occorre dotarsi di interfaccia PROGDM venduta separatamente.

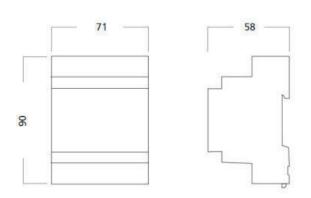
Ingressi di Contro	ollo
Tipologia	Qta
DMX512 RDM	1
Pulsante isolato	1
Pulsante non isolato	4
DALI	1
Potenziometro Lineare 100K	4
0-10V Passivo (non isolato)	4
1-10V Passivo (non isolato)	4
Bluetooth LE	1

Uscite di sincron	ia
Tipologia	Qta
DMX512	1

#### **CARATTERISTICHE TECNICHE**

- Dimmer 4 canali con Uscita in Corrente PWM.
- Range di alimentazione: 8-53V DC.
- Potenza erogata 7.35W a 8V, 11.55W a 12V, 24.15W a 24V, 49.35W a 48V. 54.6W a 53V.
- Uscita in Corrente PWM con corrente da 0.17A a 1.05A (54.6W a 52V DC) per singolo canale.
- In configurazione monocanale corrente da 0.68A a 4.2A (218.4W a 52V).
- Canali di uscita parallelizzabili.
- Funzionalità MASTER/SLAVE per sincronia digitale con altri Dimmer Newlab o dispositivi DMX512A compatibili.
- Configurazione di fabbrica: SLAVE DMX512A 4 Canali.
- Per cambiare la modalità di funzionamento occorre l'utilizzo dell'interfaccia L392MA00N0A01 (opzionale).
- Ingressi di Controllo: DMX512 RDM x1, Pulsante isolato x1, Pulsante non isolato x4, DALI x1, Potenziometro Lineare 100K x4, 0-10V Passivo (non isolato) x4, 1-10V Passivo (non isolato) x4, Bluetooth LE x1.
- Uscite di sincronia: DMX512 x1.
- Nota su 0-10V(1-10V): questo circuito di controllo non è isolato, utilizzare solo un generatore di segnale isolato 0-10V(1-10V).
- Frequenza PWM: 390 Hz.
- Funzionalità Converter DALI to DMX.
- Intervento Termico: 150 Gradi C. su uC.
- Temperatura stoccaggio Min: -40 Max: 60 Gradi C..
- Temperatura di funzionamento Min: -20 Max: 50 Gradi C..
- Circuito Stampato UL.
- Classe di protezione: IP20.
- Peso: 98 gr.









- Dimensioni Standard 90x70x58 mm.
- Protezione da inversione di polarità.
- Protezione circuito aperto.
- Protezione da picchi tensione.
- Protezione da sovratemperatura.
- Protezione corto circuito.
- Se la tensione di controllo dell'ingresso PUSH è superiore alla tensione SELV è necessario l'utilizzo del coprimorsetto/stringicavo OPZIONALE per mantenere il prodotto in CLASSE II.
- Utilizzare solo in ambienti asciutti.















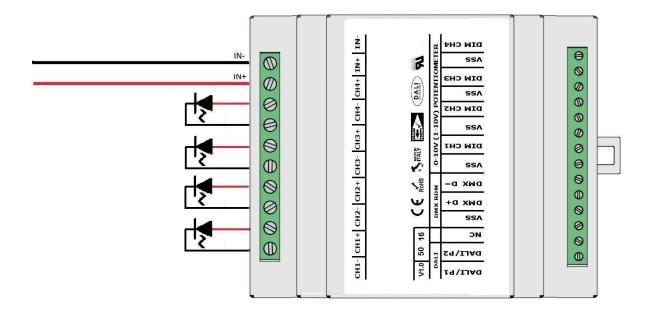


CODICE	TENSIONE	CORRENTE	N. CANALI	POTENZA MAX	INGRESSI	SCATOLA	DIMENSIONI
	IN INGRESSO	USCITA (MAX)	IN USCITA	IN USCITA	DI CONTROLLO		mm
DM4CC	8-53V DC	da 0.17A	4	54.6W a 52V DC	DMX512 RDM x1	SI	90x70
		a 1.05A		per singolo canale	Pulsante isolato x1		h 58
		per singolo		218.4W a 52V DC	Pulsante non isolato x4		
		canale		complessiva	DALI x1		
					Potenziometro Lineare 100K		
					x4		
					0-10V Passivo (non isolato)		
					x4		
		1			1-10V Passivo (non isolato)		
					x4		
					Bluetooth LE x1		



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### ALIMENTAZIONE DEL DISPOSITIVO E CONNESSIONE AL MODULO LED



#### **COLLEGAMENTO ALIMENTAZIONE E LED DM4CC - FIGURA N. 1**

Il dimmer DM4CC deve essere alimentato secondo la polarità indicata in FIG. 1 attraverso i morsetti DC IN (+ e -).

Nel caso in cui la polarità di alimentazione venga invertita il dispositivo non subisce nessun danno.

La connessione del carico LED su DM4CC (uscita corrente costante anodo comune) deve essere effettuata utilizzando i morsetti CH1-, CH1+, CH2-, CH2+, CH3-, CH3+, CH4-, CH4+.

In caso di modalità monocanale, o in caso di carichi che richiedano correnti maggiori di 1050mA è possibile parallelizzare le uscite. La corrente di uscita risultante sarà la somma dei canali parallelizzati.





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#### MODALITA' DI FUNZIONAMENTO

I dispositivi DM4CC possono operare in diverse modalità.

La programmazione della modalità operativa, oltre che quella di altri parametri di funzionamento (es. indirizzo DMX-512, fade, etc.) deve essere effettuata mediante il programmatore PROGDM. Riferirsi al manuale del programmatore per il setup delle modalità. Le modalità supportate sono:

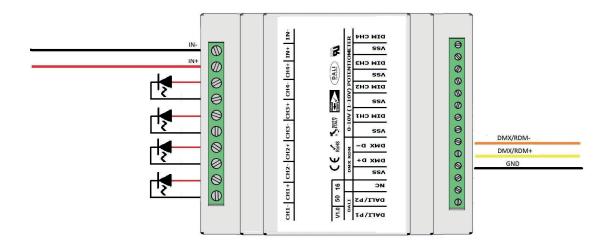
- INGRESSO SLAVE DMX-512/RDM 4 CANALI (DEFAULT)
- INGRESSO SLAVE DMX-512/RDM 4 CANALI CON POSSIBILITA' DI SETTAGGIO PARAMETRI
- INGRESSO SLAVE DMX-512/RDM MONOCANALE
- INGRESSO SLAVE DMX-512/RDM MONOCANALE CON POSSIBILITA' DI SETTAGGIO PARAMETRI
- INGRESSO DALI 4 CANALI
- INGRESSO DALI MONOCANALE
- INGRESSO PUSH (NON ISOLATO) 4 CANALI INDIPENDENTI + BLUETOOTH
- INGRESSO PUSH (ISOLATO) MONOCANALE + BLUETOOTH
- INGRESSO POTENZIOMETRO LINEARE (100Kohm), 0-10V/1-10V (NON ISOLATO) 4 CANALI **INDIPENDENTI**
- GENERATORE SHOW STANDALONE CON CONTROLLO TRASMISSIOINE SU BUS DMX-512

In tutte le configurazioni, ad esclusione delle modalità SLAVE DMX512/RDM, i dispositivi DM4CC convertono i dati ricevuti dal campo (DALI, pulsanti push, 0-10V, 1-10V, potenziometro, BLE etc.) in formato DMX-512/RDM sui canali 1-2-3-4.



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### INGRESSO SLAVE DMX-512/RDM 4 CANALI (DEFAULT)



#### COLLEGAMENTO DM4CC A BUS DMX512/RDM - FIGURA N. 2

In questa modalità (DEFAULT) il dispositivo può essere controllato mediante un bus DMX-512/RDM. Il dispositivo occupa 4 canali DMX-512/RDM, a partire dall'indirizzo di base.

L'indirizzo DMX di base (DEFAULT 1) può essere impostato mediante protocollo RDM oppure mediante il programmatore PROGDM.

Fare riferimento al manuale del programmatore per le modalità.

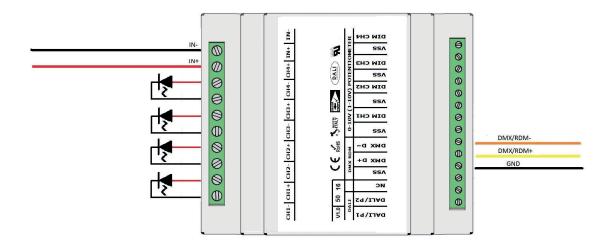
In questa modalità il dispositivo lavora in curva lineare e la funzionalità FADE è disabilitata.

ATTENZIONE: PER IL CORRETTO FUNZIONAMENTO DEL BUS DMX E' NECESSARIO COLLEGARE TRA LORO I POLI GND DEI DISPOSITIVI CONNESSI AL BUS. **UTILIZZARE IL MORSETTO VSS COME IN FIGURA 2.** 



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#### INGRESSO SLAVE DMX-512/RDM 4 CANALI CON POSSIBILITA' DI SETTAGGIO PARAMETRI



#### COLLEGAMENTO DM4CC A BUS DMX512/RDM - FIGURA N. 3

In questa modalità il dispositivo può essere controllato mediante un bus DMX-512/RDM.

Il dispositivo occupa 4 canali DMX-512/RDM, a partire dall'indirizzo di base.

L'indirizzo DMX di base (DEFAULT 1) può essere impostato mediante protocollo RDM oppure mediante il programmatore PROGDM.

Fare riferimento al manuale del programmatore per le modalità.

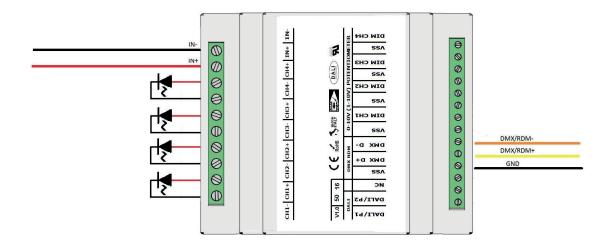
In questa modalità è inoltre possibile selezionare la curva di risposta del dispositivo (LOG o LIN) ed abilitare o disabilitare il FADE HW.

ATTENZIONE: PER IL CORRETTO FUNZIONAMENTO DEL BUS DMX E' NECESSARIO COLLEGARE TRA LORO I POLI GND DEI DISPOSITIVI CONNESSI AL BUS. UTILIZZARE IL MORSETTO VSS COME IN FIGURA 3.



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### **INGRESSO SLAVE DMX-512/RDM MONOCANALE**



#### COLLEGAMENTO DM4CC A BUS DMX512/RDM - FIGURA N. 4

In questa modalità il dispositivo può essere controllato mediante un bus DMX-512/RDM con funzionalità monocanale.

Il dispositivo occupa 1 canale DMX-512/RDM.

Il dispositivo in questa modalità è in grado di gestire fino a 4.2A complessivi.

L'indirizzo DMX di base (DEFAULT 1) può essere impostato mediante protocollo RDM oppure mediante il programmatore PROGDM.

Fare riferimento al manuale del programmatore per le modalità.

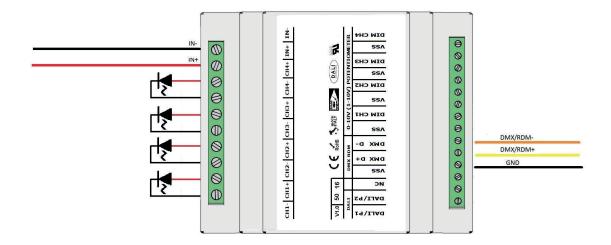
In questa modalità il dispositivo lavora in curva lineare e la funzionalità FADE è disabilitata.

ATTENZIONE: PER IL CORRETTO FUNZIONAMENTO DEL BUS DMX E' NECESSARIO COLLEGARE TRA LORO I POLI GND DEI DISPOSITIVI CONNESSI AL BUS. UTILIZZARE IL MORSETTO VSS COME IN FIGURA 4.



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### INGRESSO SLAVE DMX-512/RDM MONOCANALE CON POSSIBILITA' DI SETTAGGIO DI **PARAMETRI**



#### COLLEGAMENTO DM4CC A BUS DMX512/RDM - FIGURA N. 5

In questa modalità il dispositivo può essere controllato mediante un bus DMX-512/RDM con funzionalità monocanale.

Il dispositivo occupa 1 canale DMX-512/RDM.

Il dispositivo in questa modalità è in grado di gestire fino a 4.2A complessivi

L'indirizzo DMX di base (DEFAULT 1) può essere impostato mediante protocollo RDM oppure mediante il programmatore PROGDM.

Fare riferimento al manuale del programmatore per le modalità. In questa modalità è inoltre possibile selezionare la curva di risposta del dispositivo (LOG o LIN) ed abilitare o disabilitare il FADE HW.

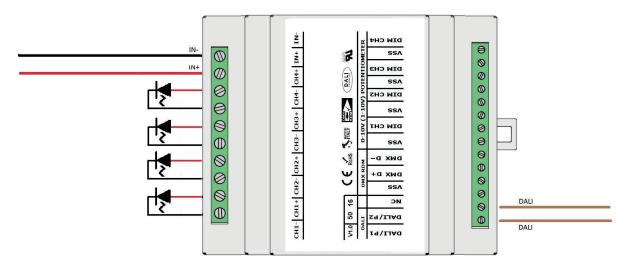
ATTENZIONE: PER IL CORRETTO FUNZIONAMENTO DEL BUS DMX E' NECESSARIO COLLEGARE TRA LORO I POLI GND DEI DISPOSITIVI CONNESSI AL BUS. UTILIZZARE IL MORSETTO VSS COME IN FIGURA 5.





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#### **INGRESSO DALI 4 CANALI**



COLLEGAMENTO DALI DM4CC - FIGURA N. 6

In questa modalità i dimmer DM4CC agiscono come dimmer DALI 4 canali. Il dispositivo viene riconosciuto durante l'indirizzamento come 4 dispositivi DALI completamente indipendenti. La corrente max assorbita dal bus DALI è di circa 2mA.

In questa modalità, i parametri ricevuti dal bus DALI vengono inviati anche sul bus DMX512/RDM sui canali fissi 1-2-3-4:

PRIMO DEVICE DALI -> DMX512 ADDRESS 1 SECONDO DEVICE DALI -> DMX512 ADDRESS 2 TERZO DEVICE DALI -> DMX512 ADDRESS 3 QUARTO DEVICE DALI -> DMX512 ADDRESS 4

#### ATTENZIONE IN QUESTA MODALITA' IL CONTROLLO BLE (Bluetooth) E' INIBITO

Qui di seguito i comandi standard implementati:

DIRECT ARC POWER **OFF** UP **DOWN** 

STEP UP STEP DOWN

RECALL MAX LEVEL RECALL MIN LEVEL STEP DOWN AND OFF ON AND STEP UP

GO TO SCENE (0-15)

RESET

STORE ACTUAL LEVEL IN THE DTR STORE THE DTR AS MAX LEVEL STORE THE DTR AS MIN LEVEL

STORE THE DTR AS SYSTEM FAILURE LEVEL

STORE THE DTR AS POWER ON LEVEL

STORE THE DTR AS FADE TIME STORE THE DTR AS FADE RATE STORE THE DTR AS SCENE (0-15) REMOVE FROM SCENE (0-15)

ADD TO GROUP (0-15)

REMOVE FROM GROUP (0-15) STORE DTR AS SHORT ADDRESS **QUERY STATUS** 

QUERY BALLAST

QUERY LAMP POWER ON QUERY LIMIT ERROR QUERY RESET STATE

QUERY MISSING SHORT ADDRESS

QUERY VERSION NUMBER QUERY DEVICE TYPE

QUERY PHISICAL MINIMUM LEVEL

QUERY POWER FAILURE QUERY CONTENT DTR1 **QUERY CONTENT DTR2** QUERY ACTUAL LEVEL QUERY MAX LEVEL QUERY MIN LEVEL

QUERY POWER ON LEVEL

QUERY SYSTEM FAILURE LEVEL QUERY FADE TIME/FADE RATE QUERY SCENE LEVEL (0-15) QUERY GROUPS (0-7)

QUERY GROUPS (8-15)

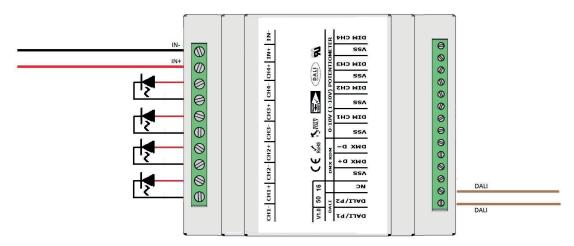
QUERY RANDOM ADDRESS H QUERY RANDOM ADDRESS M QUERY RANDOM ADDRESS L





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#### **INGRESSO DALI MONOCANALE**



COLLEGAMENTO DALI DM4CC - FIGURA N. 7

In questa modalità i dimmer DM4CC agiscono come dimmer DALI monocanale. La corrente max assorbita dal bus DALI è di circa 2mA.

In questa modalità, i parametri ricevuti dal bus DALI vengono inviati anche sul bus DMX512/RDM sui canali fissi 1-2-3-4:

PRIMO DEVICE DALI -> DMX512 ADDRESS 1 SECONDO DEVICE DALI -> DMX512 ADDRESS 2 TERZO DEVICE DALI -> DMX512 ADDRESS 3 QUARTO DEVICE DALI -> DMX512 ADDRESS 4

#### ATTENZIONE IN QUESTA MODALITA' IL CONTROLLO BLE (Bluetooth) E' INIBITO

Qui di seguito i comandi standard implementati:

DIRECT ARC POWER

**OFF** UP **DOWN** STEP UP

STEP DOWN

RECALL MAX LEVEL RECALL MIN LEVEL STEP DOWN AND OFF ON AND STEP UP

GO TO SCENE (0-15)

RESET

STORE ACTUAL LEVEL IN THE DTR STORE THE DTR AS MAX LEVEL STORE THE DTR AS MIN LEVEL

STORE THE DTR AS SYSTEM FAILURE LEVEL

STORE THE DTR AS POWER ON LEVEL

STORE THE DTR AS FADE TIME STORE THE DTR AS FADE RATE STORE THE DTR AS SCENE (0-15) REMOVE FROM SCENE (0-15)

ADD TO GROUP (0-15)

REMOVE FROM GROUP (0-15) STORE DTR AS SHORT ADDRESS **QUERY STATUS** 

**QUERY BALLAST** 

QUERY LAMP POWER ON QUERY LIMIT ERROR **QUERY RESET STATE** 

QUERY MISSING SHORT ADDRESS

**QUERY VERSION NUMBER** 

QUERY DEVICE TYPE

QUERY PHISICAL MINIMUM LEVEL

**QUERY POWER FAILURE** QUERY CONTENT DTR1 QUERY CONTENT DTR2 QUERY ACTUAL LEVEL QUERY MAX LEVEL

QUERY MIN LEVEL QUERY POWER ON LEVEL

QUERY SYSTEM FAILURE LEVEL QUERY FADE TIME/FADE RATE QUERY SCENE LEVEL (0-15)

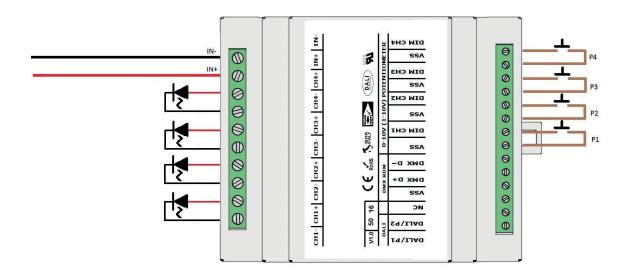
QUERY GROUPS (0-7) QUERY GROUPS (8-15)

QUERY RANDOM ADDRESS H QUERY RANDOM ADDRESS M QUERY RANDOM ADDRESS L



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### INGRESSO PUSH (NON ISOLATO) 4 CANALI INDIPENDENTI + BLUETOOTH



#### COLLEGAMENTO PULSANTI DM4CC - FIGURA N. 8

In questa modalità è possibile controllare i 4 canali di uscita mediante la pressione di 4 tasti NO connessi come in figura 8.

In questa modalità è anche possibile, controllare il dispositivo mediante smartphone attraverso l'APP Newlab Go. Riferirsi alle appendici per dettagli sull'installazione ed uso dell'app.

#### Funzionamento interfaccia PUSH

Singolo Click (pressione rapida (<1sec))

- Accende o spegne l'output (ON/OFF).

#### Doppio Click (pressione rapida (<1sec))

- Imposta massima luminosità (output= 100%)

#### Long Press (pressione prolungata (>1sec))

- Se il dimmer è in stato di OFF, imposta l'output al valore di minimo (impostabile tramite interfaccia di programmazione, default= 1%)
- Se il dimmer è in stato di ON, la pressione prolungata permette la dimmerazione dell'output (salita/discesa).

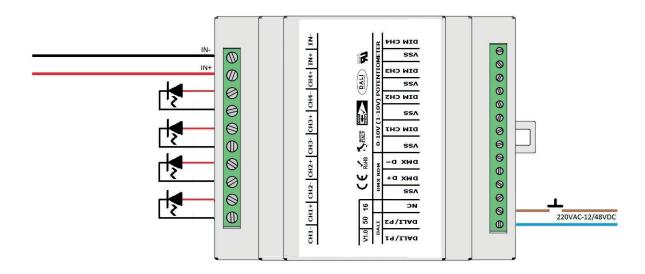
In questa modalità, i parametri ricevuti dall'interfaccia PUSH vengono inviati anche sul bus DMX512/RDM sui canali fissi 1-2-3-4:

PRIMO DEVICE DALI -> DMX512 ADDRESS 1 SECONDO DEVICE DALI -> DMX512 ADDRESS 2 TERZO DEVICE DALI -> DMX512 ADDRESS 3 QUARTO DEVICE DALI -> DMX512 ADDRESS 4



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### INGRESSO PUSH (ISOLATO) MONOCANALE + BLUETOOTH



#### **COLLEGAMENTO PULSANTI DM4CC - FIGURA N. 9**

In questa modalità è possibile controllare i 4 canali di uscita sincronamente mediante la pressione di 1 tasto NO connesso come in figura 9.

Il dispositivo in questa modalità è in grado di gestire fino a 4.2A complessivi.

In questa modalità è anche possibile, controllare il dispositivo mediante smartphone attraverso l'APP Newlab Go. Riferirsi alle appendici per dettagli sull'installazione ed uso dell'app.

In questa modalità, i parametri ricevuti dall'interfaccia PUSH vengono inviati anche sul bus DMX512/RDM sui canali fissi 1-2-3-4:

PRIMO DEVICE DALI -> DMX512 ADDRESS 1 SECONDO DEVICE DALI -> DMX512 ADDRESS 2 TERZO DEVICE DALI -> DMX512 ADDRESS 3 QUARTO DEVICE DALI -> DMX512 ADDRESS 4

#### Funzionamento interfaccia PUSH

Singolo Click (pressione rapida (<1sec))

- Accende o spegne l'output (ON/OFF).

#### Doppio Click (pressione rapida (<1sec))

- Imposta massima luminosità (output= 100%)

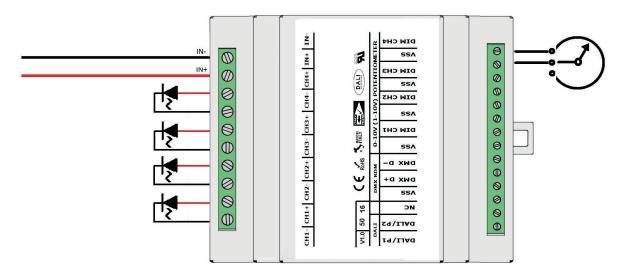
#### Long Press (pressione prolungata (>1sec))

- Se il dimmer è in stato di OFF, imposta l'output al valore di minimo (impostabile tramite interfaccia di programmazione, default= 1%)
- Se il dimmer è in stato di ON, la pressione prolungata permette la dimmerazione dell'output (salita/discesa).



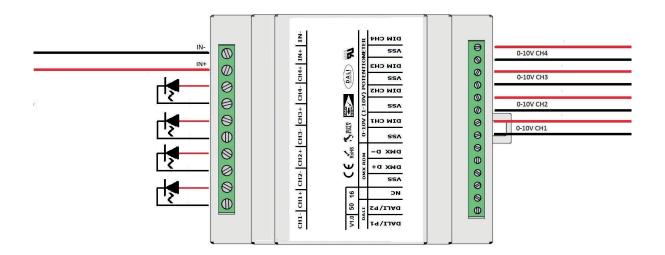
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### INGRESSO POTENZIOMETRO LINEARE (100KOHM), 0-10V/1-10V (NON ISOLATO) 4 CANALI **INDIPENDENTI**



#### **COLLEGAMENTO POTENZIOMETRO DM4CC**

(IN FIGURA È MOSTRATO IL COLLEGAMENTO DEL SOLO CANALE 4) - FIGURA N. 10



#### COLLEGAMENTO 0-10V/1-10V DM4CC - FIGURA N. 11

Questa modalità consente il controllo del dimmer DM4CC con segnali analogici. In base al cablaggio effettuato come da figure precedenti è possibile utilizzare un segnale 0-10V (1-10V) o in alternativa un potenziomentro lineare con valore 100Kohm.

Ogni canale analogico controlla la luminosità del canale di uscita corrispondente. La corrente max assorbita dal dimmer dall'interfaccia 0-10V/1-10V è di 0,1mA.

Di default la curva di dimming segue un andamento logaritmico\* proporzionale alla tensione di controllo.

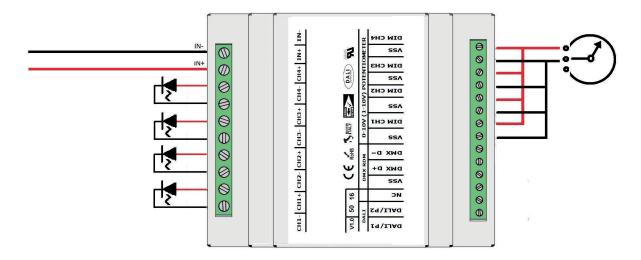


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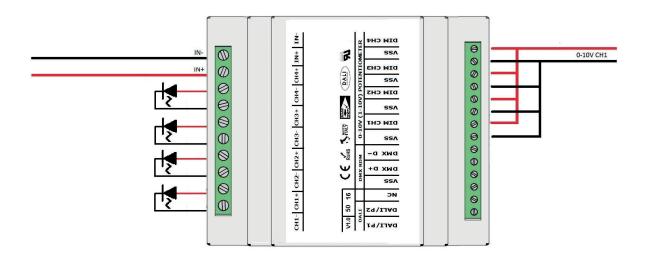
Un valore di tensione inferiore ad 1V viene interpretato come carico spento.

\*Tale impostazione è configurabile tramite l'interfaccia cod. PROGDM

Qui di seguito i collegamenti per le modalità potenziometro monocanale (100 Kohm) e 0-10V, 1-10V monocanale



#### COLLEGAMENTO POTENZIOMETRO MONOCANALE DM4CC - FIGURA N. 12



#### COLLEGAMENTO 0-10V/1-10V MONOCANALE DM4CC - FIGURA N. 13

Questa modalità consente il controllo del dimmer DM4CC con segnali analogici ed uscite sincrone monocanale.

In base al cablaggio effettuato come da figure precedenti è possibile utilizzare un segnale 0-10V (1-10V) o in alternativa un potenziomentro con valore 100Kohm.

Tutti i canali di uscita verranno gestiti in maniera sincrona e proporziale al segnale di ingresso. La corrente max assorbita dal dimmer dall'interfaccia 0-10V/1-10V in modalità monocale è di 0,4mA. Di default la curva di dimming segue un andamento logaritmico\* proporzionale alla tensione di controllo. Un valore di tensione inferiore ad 1V viene interpretato come carico spento.

<sup>\*</sup>Tale impostazione è configurabile tramite l'interfaccia cod. PROGDM



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### GENERATORE SHOW STANDALONE CON CONTROLLO TRASMISSIONE SU BUS DMX-512/RDM

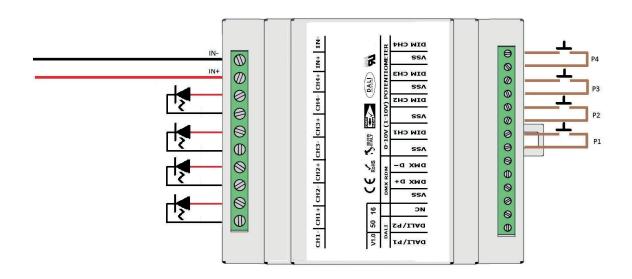


FIGURA N. 14

In questa modalità i dimmer DM4CC agiscono come generatore di show preprogrammati DMX, con input su 4 tasti N/O connessi come in figura 14.

ATTENZIONE IN QUESTA MODALITA' IL CONTROLLO BLE (Bluetooth) E' INIBITO NEI FIRMWARE **INFERIORI ALLA VERSIONE 3.2** 





Ad ogni pressione del tasto corrisponde una variazione nel programma in esecuzione come da tabella seguente.

P1	P2	Р3	P4
Shows e dissolvenze	Colori fissi (% canali R—G—B)	Spegnimento e accensione	Spegnimento e accensione
		CH4 (Bianco)	
1 ARCOBALENO LENTO	1 Blocco Show e memorizzazione colore	1 Pressione rapida: Spegnimento	1 Pressione rapida: Spegnimento
2 ARCOBALENO MEDIO	1 BIANCO (66%100%78%)		
3 ARCOBALENO VELOCE	2 BIANCO CALDO (100%83%5%)	2 Pressione rapida: Accensione	2 Pressione rapida: Accensione con
4 DISSOLVENZA LENTA	3 BIANCO FREDDO (54%100%100%)		memoria dell'ultimo spegnimento
5 DISSOLVENZA MEDIA	4 ROSSO (100%00%00%)		
6 DISSOLVENZA VELOCE	5 ARANCIO (100%15%00%)	3: Pressione lenta variazione intensità luminosa (2% - 100%)	3: Pressione lenta variazione intensità luminosa (2% - 100%)
7 DISSOLVENZA FREDDA	6 MANDARINO (100%15%00%)		
LENTA	7 MELONE (100%47%00%)		
8 DISSOLVENZA FREDDA	8 LIMONE (100%100%00%)		
MEDIA	9 LIME (70%100%00%)		
9 DISSOLVENZA FREDDA	10 VERDE ACIDO (47%100%00%)		
VELOCE	11 MELA VERDE (29%100%00%)		
10 DISSOLVENZA CALDA	12 VERDE FLUO (11%100%00%)		
LENTA	13 VERDE (00%100%00%)		
11 DISSOLVENZA CALDA	14 VERDE ACQUA (00%100%10%)		
MEDIA	15 CARAIBI (00%100%20%)		
12 DISSOLVENZA CALDA	16 CIELO TERSO (00%100%45%)		
VELOCE	17 AZZURRO (00%100%100%)		
13 DISSOLVENZA ROSSA	18 BLU MANGANESE (00%43%100%)		
LENTA	19 BLU (00%00%100%)		
14 DISSOLVENZA ROSSA	20 IRIS (10%00%100%)		
MEDIA	21 LAVANDA (17%00%100%)		
15 DISSOLVENZA ROSSA	22 VIOLETTO (37%00%100%)		
VELOCE	23 ROSA FLUO (65%00%100%)		
	24 ROSA TENUE (100%47%16%)		
	25 ROSA (100%00%100%)		
	26 ROSA SHOCKING (100%00%75%)		
	27 ROSA ACCESO (100%00%47%)		
	28 VIOLA (100%00%100%)		
	29 PORPORA (100%00%4%)		





Centralina multifunzione C.C.

#### APPLICAZIONE NEWLAB GO

Le funzionalità implementate sono:

Accensione, spegnimento e controllo del livello di luminosità di ogni singolo punto luce.

Possibilità di raggruppare e controllare insieme più punti luce con un semplice comando.

Creazione e richiamo di scenari luce preferiti.

Gestione dell'impianto da una unica interfaccia utente semplificata.

#### IL COLLEGAMENTO TRAMITE BLUETOOTH LE NON NECESSITA DELLA PROCEDURA DI PAIRING

Funzionalità app Newlab Go (\* a seconda del device potranno essere disponibili solo alcune funzioni)

Gestione di dimmer a 1 o 4 canali con diverse modalità di funzionamento:

- Mono canale
- 4 canali sincronizzati
- RGB (3 Canali o 3 zone)
- RGB + White (4 Canali o 4 zone)
- Bianco Dinamico

Il salvataggio del livello di dimming avviene alla chiusura dell'app o alla disconnessione dei dispositivi dallo smartphone bluetooth.

Per installare l'app sul vostro dispositivo Apple o Android inquadrate il QRCode desiderato per essere reindirizzati automaticamente sulla scheda prodotto dell'applicazione Newlab Go.







Alternativamente è possibile scaricare l'app cliccando su uno dei due link:



Apple:

https://itunes.apple.com/it/app/newlab-go/id1151044984?mt=8

Android:

https://play.google.com/store/apps/details?id=com.newlablight.newlabgo

E' disponibile inoltre una videoguida su youtube al seguente link

https://www.youtube.com/watch?v=R0c7MLK7Cbc

E' disponibile inoltre una videoguida su youtube al seguente link

https://www.youtube.com/watch?v=R0c7MLK7Cbc



Centralina multifunzione C.C.

### **CONFIGURAZIONE PARAMETRI**

CLICCA SULLA CONFIGURAZIONE DESIDERATA PER VISUALIZZARE L'IMMAGINE DEL PROGRAMMATORE

		F	Reset											
Configurazioni	Α	В	С	D	1	2	3	4	5	6	7	8	9	10
Reset	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON

		Curva	Dimn	ning										
Configurazioni	Α	В	С	D	1	2	3	4	5	6	7	8	9	10
Logaritmica	OFF	OFF	OFF	ON	OFF									
Lineare	OFF	OFF	OFF	ON	OFF	ON								

		F	ade											
Configurazioni	Α	В	С	D	1	2	3	4	5	6	7	8	9	10
Fade Off	OFF	OFF	ON	ON	OFF									
Fade On	OFF	OFF	ON	ON	OFF	ON								

	(	Cambi	o Mod	alità										
Configurazioni	Α	В	С	D	1	2	3	4	5	6	7	8	9	10
Ingresso Slave DMX-512/RDM 4 Canali	OFF	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Ingresso Slave DMX-512/RDM 4 Canali	OFF	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON
con possibilità di settaggio parametri	İ													
Ingresso Slave DMX-512/RDM monocanale	OFF	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF
Ingresso Slave DMX-512/RDM monocanale	OFF	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON
con possibilità di settaggio parametri														
Ingresso DALI 4 Canali	OFF	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	OFF
Ingresso DALI monocanale	OFF	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	ON
Ingresso PUSH (NON ISOLATO)	OFF	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	OFF
4 canali indipendenti + Bluetooth														
Ingresso PUSH (ISOLATO)	OFF	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON
monocanale + Bluetooth	İ													
Ingresso Potenziometro Lineare (100KOhm),	OFF	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	OFF	OFF
0-10V, 1-10V 4 canali indipendenti														
Generatore Show Standalone con	OFF	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	OFF	ON
controllo trasmissione su bus DMX-512														

		Co	rrente	;										
Configurazioni	Α	В	С	D	1	2	3	4	5	6	7	8	9	10
170 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
182 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON
195 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF
210 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON
222 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	OFF
235 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	ON
250 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	OFF
260 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON
270 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	OFF	OFF
290 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	OFF	ON
300 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	ON	OFF
315 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	ON	ON



1	1 1				ı	ı		ı		ı				
330 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	OFF	OFF
345 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	OFF	ON
355 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	OFF
370 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	ON
385 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	OFF	OFF	OFF
395 mA	OFF	ON	OFF	OFF	OFF	OFF		OFF	OFF	ON	OFF	OFF	OFF	ON
410 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	OFF	ON	OFF
425 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	OFF	ON	ON
438 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	ON	OFF	OFF
450 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	ON	OFF	ON
465 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	ON	ON	OFF
480 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	ON	ON	ON
490 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	OFF	OFF	OFF
500 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	OFF	OFF	ON
515 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	OFF	ON	OFF
530 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	OFF	ON	ON
545 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	OFF	OFF
560 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	OFF	ON
575 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	ON	OFF
585 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	ON	ON
600 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	OFF	OFF	OFF	OFF
615 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	OFF	OFF	OFF	ON
626 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	OFF	OFF	ON	OFF
640 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	OFF	OFF	ON	ON
653 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	OFF	ON	OFF	OFF
667 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	OFF	ON	OFF	ON
680 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
694 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	OFF	ON	ON	ON
707 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	ON	OFF	OFF	OFF
721 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	ON	OFF	OFF	ON
734 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	ON	OFF	ON	OFF
748 mA	OFF	ON		OFF			OFF		ON	OFF	ON	OFF	ON	ON
761 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	ON	ON	OFF	OFF
775 mA	OFF	ON	OFF	OFF		OFF			ON	OFF	ON	ON	OFF	ON
788 mA	OFF	ON	OFF	OFF		OFF		OFF	ON	OFF	ON	ON	ON	OFF
802 mA	OFF	ON	OFF	OFF	OFF	OFF		OFF	ON	OFF	ON	ON	ON	ON
815 mA	OFF	ON	OFF	OFF	OFF	OFF		OFF	ON	ON	OFF	OFF	OFF	OFF
829 mA	OFF	ON	OFF	OFF	OFF	OFF			ON	ON	OFF	OFF	OFF	ON
840 mA	OFF	ON	OFF	OFF	OFF	OFF		OFF	ON	ON	OFF	OFF	ON	OFF
855 mA	OFF	ON	OFF	OFF	OFF	OFF		OFF	ON	ON	OFF	OFF	ON	ON
870 mA	OFF	ON	OFF	OFF	OFF	OFF		OFF	ON	ON	OFF	OFF	OFF	OFF
880 mA	OFF	ON	OFF	OFF	OFF	OFF		OFF	ON	ON	OFF	ON	OFF	OFF
895 mA	OFF	ON	OFF	OFF	OFF	OFF		OFF	ON	ON	OFF	ON	ON	OFF
910 mA	OFF	ON	OFF	OFF	OFF	OFF		OFF	ON	ON	OFF	ON	ON	ON
920 mA	OFF	ON	OFF	OFF	OFF	OFF		OFF	ON	ON	ON	OFF	OFF	OFF
935 mA	OFF	ON	OFF	OFF			OFF		ON	ON	ON	OFF	OFF	ON
950 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	OFF	ON	OFF
965 mA	OFF	ON	OFF	OFF		OFF		OFF	ON	ON	ON	OFF	ON	ON
975 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	ON	OFF	OFF



990 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	ON	OFF	ON
1020 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	ON	ON	OFF
1050 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	ON	ON	ON

		Indir	zzo Di	MY										
Configurazioni	Α	В	C C	D	1	2	3	4	5	6	7	8	9	10
	OFF	ON	OFF	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Indirizzo 1 Indirizzo 2	OFF	ON			OFF	ON	OFF	OFF				OFF	OFF	OFF
			OFF	ON					OFF	OFF	OFF			
Indirizzo 3	OFF	ON	OFF	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Indirizzo 4	OFF	ON	OFF	ON	OFF	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Indirizzo 5	OFF	ON	OFF	ON	ON	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Indirizzo 6	OFF	ON	OFF	ON	OFF	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Indirizzo 7	OFF	ON	OFF	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Indirizzo 8	OFF	ON	OFF	ON	OFF	OFF	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF
Indirizzo 9	OFF	ON	OFF	ON	ON	OFF	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF
Indirizzo 10	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF
Indirizzo 11	OFF	ON	OFF	ON	ON	ON	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF
Indirizzo 12	OFF	ON	OFF	ON	OFF	OFF	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF
Indirizzo 13	OFF	ON	OFF	ON	ON	OFF	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF
Indirizzo 14	OFF	ON	OFF	ON	OFF	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF
Indirizzo 15	OFF	ON	OFF	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF
Indirizzo 16	OFF	ON	OFF	ON	OFF	OFF	OFF	OFF	ON	OFF	OFF	OFF	OFF	OFF
Indirizzo 17	OFF	ON	OFF	ON	ON	OFF	OFF	OFF	ON	OFF	OFF	OFF	OFF	OFF
Indirizzo 18	OFF	ON	OFF	ON	OFF	ON	OFF	OFF	ON	OFF	OFF	OFF	OFF	OFF
Indirizzo 19	OFF	ON	OFF	ON	ON	ON	OFF	OFF	ON	OFF	OFF	OFF	OFF	OFF
Indirizzo 20	OFF	ON	OFF	ON	OFF	OFF	ON	OFF	ON	OFF	OFF	OFF	OFF	OFF
Indirizzo 21	OFF	ON	OFF	ON	ON	OFF	ON	OFF	ON	OFF	OFF	OFF	OFF	OFF
Indirizzo 22	OFF	ON	OFF	ON	OFF	ON	ON	OFF	ON	OFF	OFF	OFF	OFF	OFF
Indirizzo 23	OFF	ON	OFF	ON	ON	ON	ON	OFF	ON	OFF	OFF	OFF	OFF	OFF
Indirizzo 24	OFF	ON	OFF	ON	OFF	OFF	OFF	ON	ON	OFF	OFF	OFF	OFF	OFF
Indirizzo 25	OFF	ON	OFF	ON	ON	OFF	OFF	ON	ON	OFF	OFF	OFF	OFF	OFF
Indirizzo 26	OFF	ON	OFF	ON	OFF	ON	OFF	ON	ON	OFF	OFF	OFF	OFF	OFF
Indirizzo 27	OFF	ON	OFF	ON	ON	ON	OFF	ON	ON	OFF	OFF	OFF	OFF	OFF
Indirizzo 28	OFF	ON	OFF	ON	OFF	OFF	ON	ON	ON	OFF	OFF	OFF	OFF	OFF
Indirizzo 29	OFF	ON	OFF	ON	ON	OFF	ON	ON	ON	OFF	OFF	OFF	OFF	OFF
Indirizzo 30	OFF	ON	OFF	ON	OFF	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF
Indirizzo 31	OFF	ON	OFF	ON	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF
Indirizzo 32	OFF	ON	OFF	ON	OFF	OFF	OFF	OFF	OFF	ON	OFF	OFF	OFF	OFF
Indirizzo 33	OFF	ON	OFF	ON	ON	OFF	OFF	OFF	OFF	ON	OFF	OFF	OFF	OFF
Indirizzo 34	OFF	ON	OFF	ON	OFF	ON	OFF	OFF	OFF	ON	OFF		OFF	
Indirizzo 35	OFF	ON	OFF	ON	ON	ON	OFF	OFF	OFF	ON	OFF	OFF	OFF	
Indirizzo 36	OFF	ON	OFF	ON	OFF		ON	OFF	OFF	ON	OFF	OFF		
Indirizzo 37	OFF	ON	OFF	ON	ON	OFF	ON	OFF	OFF	ON	OFF	OFF		
Indirizzo 38	OFF	ON	OFF	ON	OFF	ON	ON	OFF	OFF	ON	OFF			
Indirizzo 39	OFF	ON	OFF	ON	ON	ON	ON	OFF	OFF	ON	OFF	OFF	OFF	
Indirizzo 40	OFF	ON	OFF	ON	OFF		OFF	ON	OFF	ON	OFF	OFF		
Indirizzo 41	OFF	ON	OFF	ON	ON	OFF	OFF	ON	OFF	ON	OFF			
Indirizzo 42	OFF	ON	OFF	ON	OFF		OFF	ON	OFF	ON			OFF	
IIIdiliZZU 4Z	OFF	OIV	Orr	OIV	OFF	OIV	Orr	OIV	Orr	OIV	OFF	OI I	Orr	Oil



Indirizzo 43	OFF	ON	OFF	ON	ON	ON	OFF	ON	OFF	ON	OFF	OFF	OFF	OFF	ĺ
Indirizzo 44	OFF	ON	OFF	ON	OFF	OFF	ON	ON	OFF	ON	OFF	OFF	OFF	OFF	ĺ
Indirizzo 45	OFF	ON	OFF	ON	ON	OFF	ON	ON	OFF	ON	OFF	OFF	OFF	OFF	ĺ
Indirizzo 46	OFF	ON	OFF	ON	OFF	ON	ON	ON	OFF	ON	OFF	OFF	OFF	OFF	
Indirizzo 47	OFF	ON	OFF	ON	ON	ON	ON	ON	OFF	ON	OFF	OFF	OFF	OFF	
Indirizzo 48	OFF	ON	OFF	ON	OFF	OFF	OFF	OFF	ON	ON	OFF	OFF	OFF	OFF	
Indirizzo 49	OFF	ON	OFF	ON	ON	OFF	OFF	OFF	ON	ON	OFF	OFF	OFF	OFF	
Indirizzo 50	OFF	ON	OFF	ON	OFF	ON	OFF	OFF	ON	ON	OFF	OFF	OFF	OFF	
Indirizzo 51	OFF	ON	OFF	ON	ON	ON	OFF	OFF	ON	ON	OFF	OFF	OFF	OFF	
Indirizzo 52	OFF	ON	OFF	ON	OFF	OFF	ON	OFF	ON	ON	OFF	OFF	OFF	OFF	
Indirizzo 53	OFF	ON	OFF	ON	ON	OFF	ON	OFF	ON	ON	OFF	OFF	OFF	OFF	
Indirizzo 54	OFF	ON	OFF	ON	OFF	ON	ON	OFF	ON	ON	OFF	OFF	OFF	OFF	
Indirizzo 55	OFF	ON	OFF	ON	ON	ON	ON	OFF	ON	ON	OFF	OFF	OFF	OFF	
Indirizzo 56	OFF	ON	OFF	ON	OFF	OFF	OFF	ON	ON	ON	OFF	OFF	OFF	OFF	
Indirizzo 57	OFF	ON	OFF	ON	ON	OFF	OFF	ON	ON	ON	OFF	OFF	OFF	OFF	
Indirizzo 58	OFF	ON	OFF	ON	OFF	ON	OFF	ON	ON	ON	OFF	OFF	OFF	OFF	
Indirizzo 59	OFF	ON	OFF	ON	ON	ON	OFF	ON	ON	ON	OFF	OFF	OFF	OFF	
Indirizzo 60	OFF	ON	OFF	ON	OFF	OFF	ON	ON	ON	ON	OFF	OFF	OFF	OFF	
Indirizzo 61	OFF	ON	OFF	ON	ON	OFF	ON	ON	ON	ON	OFF	OFF	OFF	OFF	
Indirizzo 62	OFF	ON	OFF	ON	OFF	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	
Indirizzo 63	OFF	ON	OFF	ON	ON	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	
Indirizzo 64	OFF	ON	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	OFF	OFF	
Indirizzo 65	OFF	ON	OFF	ON	ON	OFF	OFF	OFF	OFF	OFF	ON	OFF	OFF	OFF	
Indirizzo 66	OFF	ON	OFF	ON	OFF	ON	OFF	OFF	OFF	OFF	ON	OFF	OFF	OFF	
Indirizzo 67	OFF	ON	OFF	ON	ON	ON	OFF	OFF	OFF	OFF	ON	OFF	OFF	OFF	
Indirizzo 68	OFF	ON	OFF	ON	OFF	OFF	ON	OFF	OFF	OFF	ON	OFF	OFF	OFF	
Indirizzo 69	OFF	ON	OFF	ON	ON	OFF	ON	OFF	OFF	OFF	ON	OFF	OFF	OFF	
Indirizzo 70	OFF	ON	OFF	ON	OFF	ON	ON	OFF	OFF	OFF	ON	OFF	OFF	OFF	
Indirizzo 71	OFF	ON	OFF	ON	ON	ON	ON	OFF	OFF	OFF	ON	OFF	OFF	OFF	
Indirizzo 72	OFF	ON	OFF	ON	OFF	OFF	OFF	ON	OFF	OFF	ON	OFF	OFF	OFF	
Indirizzo 73	OFF	ON	OFF	ON	ON	OFF	OFF	ON	OFF	OFF	ON	OFF	OFF	OFF	
Indirizzo 74	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	OFF	ON		OFF		
Indirizzo 75	OFF	ON	OFF	ON	ON	ON	OFF	ON	OFF	OFF	ON	OFF	OFF	OFF	
Indirizzo 76	OFF	ON	OFF	ON	OFF	OFF	ON	ON	OFF	OFF	ON	OFF	OFF		
Indirizzo 77	OFF	ON	OFF	ON	ON	OFF	ON	ON	OFF	OFF	ON	OFF	OFF	OFF	
Indirizzo 78	OFF	ON	OFF	ON	OFF	ON	ON	ON	OFF	OFF	ON	OFF	OFF	OFF	
Indirizzo 79	OFF	ON	OFF	ON	ON	ON	ON	ON	OFF	OFF	ON	OFF	OFF	OFF	
Indirizzo 80	OFF	ON	OFF	ON	OFF	OFF	OFF	OFF	ON	OFF	ON	OFF	OFF	OFF	
Indirizzo 81	OFF	ON	OFF	ON	ON	OFF	OFF	OFF	ON	OFF	ON	OFF	OFF	OFF	
Indirizzo 82	OFF	ON	OFF	ON	OFF	ON	OFF	OFF	ON	OFF	ON	OFF	OFF		
Indirizzo 83	OFF	ON	OFF	ON	ON	ON	OFF	OFF	ON	OFF	ON	OFF	OFF	OFF	
							ON		ON						
Indirizzo 84 Indirizzo 85	OFF	ON	OFF	ON	OFF	OFF	ON	OFF	ON	OFF	ON ON	OFF	OFF	OFF	ĺ
			OFF			OFF		OFF					OFF		i
Indirizzo 86	OFF	ON	OFF	ON	OFF	ON	ON	OFF	ON	OFF	ON	OFF	OFF	OFF	l
Indirizzo 87	OFF	ON	OFF	ON	ON	ON	ON	OFF	ON	OFF	ON	OFF	OFF	OFF	ĺ
Indirizzo 88	OFF	ON	OFF	ON	OFF	OFF	OFF	ON	ON	OFF	ON	OFF	OFF	OFF	İ
Indirizzo 89	OFF	ON	OFF	ON	ON	OFF	OFF	ON	ON	OFF	ON	OFF	OFF	OFF	l
Indirizzo 90	OFF	ON	OFF	ON	OFF	ON	OFF	ON	ON	OFF	ON	OFF	OFF		ĺ
Indirizzo 91	OFF	ON	OFF	ON	ON	ON	OFF	ON	ON	OFF	ON	OFF	OFF	OFF	İ



la diri 00	055	ON	٥٦٦	ON	١٥٢٢	055	ON	ON	ON	055	ON	055	055	٥٦٦
Indirizzo 92	OFF	ON	OFF	ON	OFF		ON	ON	ON	OFF	ON	OFF		
Indirizzo 93	OFF	ON	OFF	ON	ON	OFF	ON	ON	ON	OFF	ON	OFF	OFF	OFF
Indirizzo 94	OFF	ON	OFF	ON	OFF	ON	ON	ON	ON	OFF	ON	OFF	OFF	OFF
Indirizzo 95	OFF	ON	OFF	ON	ON	ON	ON	ON	ON	OFF	ON	OFF	OFF	OFF
Indirizzo 96	OFF	ON	OFF	ON	OFF	OFF	OFF	OFF	OFF	ON	ON	OFF	OFF	OFF
Indirizzo 97	OFF	ON	OFF	ON	ON	OFF	OFF	OFF	OFF	ON	ON	OFF	OFF	OFF
Indirizzo 98	OFF	ON	OFF	ON	OFF	ON	OFF	OFF	OFF	ON	ON	OFF	OFF	OFF
Indirizzo 99	OFF	ON	OFF	ON	ON	ON	OFF	OFF	OFF	ON	ON	OFF	OFF	OFF
Indirizzo 100	OFF	ON	OFF	ON	OFF	OFF	ON	OFF	OFF	ON	ON	OFF	OFF	OFF
Indirizzo 101	OFF	ON	OFF	ON	ON	OFF	ON	OFF	OFF	ON	ON	OFF	OFF	OFF
Indirizzo 102	OFF	ON	OFF	ON	OFF	ON	ON	OFF	OFF	ON	ON	OFF	OFF	OFF
Indirizzo 103	OFF	ON	OFF	ON	ON	ON	ON	OFF	OFF	ON	ON	OFF	OFF	OFF
Indirizzo 104	OFF	ON	OFF	ON	OFF	OFF	OFF	ON	OFF	ON	ON	OFF	OFF	OFF
Indirizzo 105	OFF	ON	OFF	ON	ON	OFF	OFF	ON	OFF	ON	ON	OFF	OFF	OFF
Indirizzo 106	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	ON	OFF	OFF	OFF
Indirizzo 107	OFF	ON	OFF	ON	ON	ON	OFF	ON	OFF	ON	ON	OFF	OFF	OFF
Indirizzo 108	OFF	ON	OFF	ON	OFF	OFF	ON	ON	OFF	ON	ON	OFF	OFF	OFF
Indirizzo 109	OFF	ON	OFF	ON	ON	OFF	ON	ON	OFF	ON	ON	OFF	OFF	OFF
Indirizzo 110	OFF	ON	OFF	ON	OFF	ON	ON	ON	OFF	ON	ON	OFF	OFF	OFF
Indirizzo 111	OFF	ON	OFF	ON	ON	ON	ON	ON	OFF	ON	ON	OFF	OFF	OFF
Indirizzo 112	OFF	ON	OFF	ON	OFF	OFF	OFF	OFF	ON	ON	ON	OFF	OFF	OFF
Indirizzo 113	OFF	ON	OFF	ON	ON	OFF	OFF	OFF	ON	ON	ON	OFF	OFF	OFF
Indirizzo 114	OFF	ON	OFF	ON	OFF	ON	OFF	OFF	ON	ON	ON	OFF	OFF	OFF
Indirizzo 115	OFF	ON	OFF	ON	ON	ON	OFF	OFF	ON	ON	ON	OFF	OFF	OFF
Indirizzo 116	OFF	ON	OFF	ON	OFF	OFF	ON	OFF	ON	ON	ON	OFF	OFF	OFF
Indirizzo 117	OFF	ON	OFF	ON	ON	OFF	ON	OFF	ON	ON	ON	OFF	OFF	OFF
Indirizzo 118	OFF	ON	OFF	ON	OFF	ON	ON	OFF	ON	ON	ON	OFF	OFF	OFF
Indirizzo 119	OFF	ON	OFF	ON	ON	ON	ON	OFF	ON	ON	ON	OFF	OFF	OFF
Indirizzo 120	OFF	ON	OFF	ON	OFF	OFF	OFF	ON	ON	ON	ON	OFF	OFF	OFF
Indirizzo 121	OFF	ON	OFF	ON	ON	OFF	OFF	ON	ON	ON	ON	OFF	OFF	OFF
Indirizzo 122	OFF	ON	OFF	ON	OFF	ON	OFF	ON	ON	ON	ON	OFF	OFF	OFF
Indirizzo 123	OFF	ON	OFF	ON	ON	ON	OFF	ON	ON	ON	ON	OFF	OFF	OFF
Indirizzo 124	OFF	ON	OFF	ON	OFF	OFF	ON	ON	ON	ON	ON	OFF	OFF	OFF
Indirizzo 125	OFF	ON	OFF	ON	ON	OFF	ON	ON	ON	ON	ON	OFF	OFF	OFF
Indirizzo 126	OFF	ON	OFF	ON	OFF	ON	ON	ON	ON	ON	ON	OFF	OFF	OFF
Indirizzo 127	OFF	ON	OFF	ON	ON	ON	ON	ON	ON	ON	ON	OFF	OFF	OFF
Indirizzo 128	OFF	ON	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	OFF
Indirizzo 129	OFF	ON	OFF	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	OFF
Indirizzo 130	OFF	ON	OFF	ON	OFF	ON	OFF	OFF	OFF	OFF	OFF	ON	OFF	OFF
Indirizzo 131	OFF	ON	OFF	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	ON	OFF	OFF
Indirizzo 132	OFF	ON	OFF	ON	OFF	OFF	ON	OFF	OFF	OFF	OFF	ON	OFF	
Indirizzo 133	OFF	ON	OFF	ON	ON	OFF	ON	OFF	OFF	OFF	OFF	ON	OFF	
Indirizzo 134	OFF	ON	OFF	ON	OFF	ON	ON	OFF	OFF	OFF	OFF	ON	OFF	
Indirizzo 135	OFF	ON	OFF	ON	ON	ON	ON	OFF	OFF	OFF	OFF	ON	OFF	
Indirizzo 136	OFF	ON	OFF	ON	OFF	OFF	OFF	ON	OFF	OFF	OFF	ON	OFF	
Indirizzo 137	OFF	ON	OFF	ON	ON	OFF	OFF	ON	OFF	OFF	OFF	ON	OFF	
Indirizzo 137	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF			ON	OFF	
Indirizzo 139	OFF	ON	OFF	ON	ON	ON	OFF	ON	OFF		OFF		OFF	
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	Indirizzo 140	OFF	ON	OFF	ON	OFF	OFF	ON	ON	OFF	OFF	OFF	ON	OFF	OFF	
	Indirizzo 141	OFF	ON	OFF	ON	ON	OFF	ON	ON	OFF	OFF	OFF	ON	OFF	OFF	
	Indirizzo 142	OFF	ON	OFF	ON	OFF	ON	ON	ON	OFF	OFF	OFF	ON	OFF	OFF	
	Indirizzo 143	OFF	ON	OFF	ON	ON	ON	ON	ON	OFF	OFF	OFF	ON	OFF	OFF	
	Indirizzo 144	OFF	ON	OFF	ON	OFF	OFF	OFF	OFF	ON	OFF	OFF	ON	OFF	OFF	
	Indirizzo 145	OFF	ON	OFF	ON	ON	OFF	OFF	OFF	ON	OFF	OFF	ON	OFF	OFF	
	Indirizzo 146	OFF	ON	OFF	ON	OFF	ON	OFF	OFF	ON	OFF	OFF	ON	OFF	OFF	
	Indirizzo 147	OFF	ON	OFF	ON	ON	ON	OFF	OFF	ON	OFF	OFF	ON	OFF	OFF	
	Indirizzo 148	OFF	ON	OFF	ON	OFF	OFF	ON	OFF	ON	OFF	OFF	ON	OFF	OFF	
	Indirizzo 149	OFF	ON	OFF	ON	ON	OFF	ON	OFF	ON	OFF	OFF	ON	OFF	OFF	
	Indirizzo 150	OFF	ON	OFF	ON	OFF	ON	ON	OFF	ON	OFF	OFF	ON	OFF	OFF	
	Indirizzo 151	OFF	ON	OFF	ON	ON	ON	ON	OFF	ON	OFF	OFF	ON	OFF	OFF	
	Indirizzo 152	OFF	ON	OFF	ON	OFF	OFF	OFF	ON	ON	OFF	OFF	ON	OFF	OFF	
	Indirizzo 153	OFF	ON	OFF	ON	ON	OFF	OFF	ON	ON	OFF	OFF	ON	OFF	OFF	
	Indirizzo 154	OFF	ON	OFF	ON	OFF	ON	OFF	ON	ON	OFF	OFF	ON	OFF	OFF	
	Indirizzo 155	OFF	ON	OFF	ON	ON	ON	OFF	ON	ON	OFF	OFF	ON	OFF	OFF	
	Indirizzo 156	OFF	ON	OFF	ON	OFF	OFF	ON	ON	ON	OFF	OFF	ON	OFF	OFF	
	Indirizzo 157	OFF	ON	OFF	ON	ON	OFF	ON	ON	ON	OFF	OFF	ON	OFF	OFF	
	Indirizzo 158	OFF	ON	OFF	ON	OFF	ON	ON	ON	ON	OFF	OFF	ON	OFF	OFF	
	Indirizzo 159	OFF	ON	OFF	ON	ON	ON	ON	ON	ON	OFF	OFF	ON	OFF	OFF	
	Indirizzo 160	OFF	ON	OFF	ON	OFF	OFF	OFF	OFF	OFF	ON	OFF	ON	OFF	OFF	
	Indirizzo 161	OFF	ON	OFF	ON	ON	OFF	OFF	OFF	OFF	ON	OFF	ON	OFF	OFF	
	Indirizzo 162	OFF	ON	OFF	ON	OFF	ON	OFF	OFF	OFF	ON	OFF	ON	OFF	OFF	
	Indirizzo 163	OFF	ON	OFF	ON	ON	ON	OFF	OFF	OFF	ON	OFF	ON	OFF	OFF	
	Indirizzo 164	OFF	ON	OFF	ON	OFF	OFF	ON	OFF	OFF	ON	OFF	ON	OFF	OFF	
	Indirizzo 165	OFF	ON	OFF	ON	ON	OFF	ON	OFF	OFF	ON	OFF	ON	OFF	OFF	
	Indirizzo 166	OFF	ON	OFF	ON	OFF	ON	ON	OFF	OFF	ON	OFF	ON	OFF	OFF	
	Indirizzo 167	OFF	ON	OFF	ON	ON	ON	ON	OFF	OFF	ON	OFF	ON	OFF	OFF	
	Indirizzo 168	OFF	ON	OFF	ON	OFF	OFF	OFF	ON	OFF	ON	OFF	ON	OFF	OFF	
	Indirizzo 169	OFF	ON	OFF	ON	ON	OFF	OFF	ON	OFF	ON	OFF	ON	OFF	OFF	
	Indirizzo 170	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	OFF	
	Indirizzo 171	OFF	ON	OFF	ON	ON	ON	OFF	ON	OFF	ON	OFF	ON	OFF	OFF	
	Indirizzo 172	OFF	ON	OFF	ON	OFF	OFF	ON	ON	OFF	ON	OFF	ON	OFF	OFF	
	Indirizzo 173	OFF	ON	OFF	ON	ON	OFF	ON	ON	OFF	ON	OFF	ON	OFF	OFF	
	Indirizzo 174	OFF	ON	OFF	ON	OFF	ON	ON	ON	OFF	ON	OFF	ON	OFF	OFF	
	Indirizzo 175	OFF	ON	OFF	ON	ON	ON	ON	ON	OFF	ON	OFF	ON	OFF	OFF	
	Indirizzo 176	OFF	ON	OFF	ON	OFF	OFF	OFF	OFF	ON	ON	OFF	ON	OFF	OFF	
	Indirizzo 177	OFF	ON	OFF	ON	ON	OFF	OFF	OFF	ON	ON	OFF	ON	OFF	OFF	
	Indirizzo 178	OFF	ON	OFF	ON	OFF	ON	OFF	OFF	ON	ON	OFF	ON	OFF	OFF	
	Indirizzo 179	OFF	ON	OFF	ON	ON	ON	OFF	OFF	ON	ON	OFF	ON	OFF	OFF	
	Indirizzo 180	OFF	ON	OFF	ON	OFF	OFF	ON	OFF	ON	ON	OFF	ON	OFF	OFF	
	Indirizzo 181	OFF	ON	OFF	ON	ON	OFF	ON	OFF	ON	ON	OFF	ON	OFF	OFF	
	Indirizzo 182	OFF	ON	OFF	ON	OFF	ON	ON	OFF	ON	ON	OFF	ON	OFF	OFF	
	Indirizzo 183	OFF	ON	OFF	ON	ON	ON	ON	OFF	ON	ON	OFF	ON	OFF	OFF	
	Indirizzo 184	OFF	ON	OFF	ON	OFF	OFF	OFF	ON	ON	ON	OFF	ON	OFF	OFF	
	Indirizzo 185	OFF	ON	OFF	ON	ON	OFF	OFF	ON	ON	ON	OFF	ON	OFF	OFF	
	Indirizzo 186	OFF	ON	OFF	ON	OFF	ON	OFF	ON	ON	ON	OFF	ON	OFF		
	Indirizzo 187	OFF	ON	OFF	ON	ON	ON	OFF	ON	ON	ON	OFF	ON	OFF		
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Indirizzo 191	OFF	ON	OFF	ON	ON	ON	ON	ON	ON	ON	OFF	ON	OFF	OFF	
Indirizzo 192	OFF	ON	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	OFF	OFF	
Indirizzo 193	OFF	ON	OFF	ON	ON	OFF	OFF	OFF	OFF	OFF	ON	ON	OFF	OFF	
Indirizzo 194	OFF	ON	OFF	ON	OFF	ON	OFF	OFF	OFF	OFF	ON	ON	OFF	OFF	
Indirizzo 195	OFF	ON	OFF	ON	ON	ON	OFF	OFF	OFF	OFF	ON	ON	OFF	OFF	
Indirizzo 196	OFF	ON	OFF	ON	OFF	OFF	ON	OFF	OFF	OFF	ON	ON	OFF	OFF	
Indirizzo 197	OFF	ON	OFF	ON	ON	OFF	ON	OFF	OFF	OFF	ON	ON	OFF	OFF	
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Indirizzo 199	OFF	ON	OFF	ON	ON	ON	ON	OFF	OFF	OFF	ON	ON	OFF	OFF	
Indirizzo 200	OFF	ON	OFF	ON	OFF	OFF	OFF	ON	OFF	OFF	ON	ON	OFF	OFF	
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Indirizzo 203	OFF	ON	OFF	ON	ON	ON	OFF	ON	OFF	OFF	ON	ON	OFF	OFF	
Indirizzo 204	OFF	ON	OFF	ON	OFF	OFF	ON	ON	OFF	OFF	ON	ON	OFF	OFF	
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Indirizzo 210	OFF	ON	OFF	ON	OFF	ON	OFF	OFF	ON	OFF	ON	ON	OFF	OFF	
Indirizzo 211	OFF	ON	OFF	ON	ON	ON	OFF	OFF	ON	OFF	ON	ON	OFF	OFF	
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Indirizzo 214	OFF	ON	OFF	ON	OFF	ON	ON	OFF	ON	OFF	ON	ON	OFF	OFF	
Indirizzo 215	OFF	ON	OFF	ON	ON	ON	ON	OFF	ON	OFF	ON	ON	OFF	OFF	
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Indirizzo 218	OFF	ON	OFF	ON	OFF	ON	OFF	ON	ON	OFF	ON	ON	OFF	OFF	
Indirizzo 219	OFF	ON	OFF	ON	ON	ON	OFF	ON	ON	OFF	ON	ON	OFF	OFF	
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Indirizzo 224	OFF	ON	OFF	ON	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	OFF	OFF	
Indirizzo 225	OFF	ON	OFF	ON	ON	OFF	OFF	OFF	OFF	ON	ON	ON	OFF	OFF	
Indirizzo 226	OFF	ON	OFF	ON	OFF	ON	OFF	OFF	OFF	ON	ON	ON	OFF	OFF	
Indirizzo 227	OFF	ON	OFF	ON	ON	ON	OFF	OFF	OFF	ON	ON	ON	OFF	OFF	
Indirizzo 228	OFF	ON	OFF	ON	OFF	OFF	ON	OFF	OFF	ON	ON	ON	OFF	OFF	
Indirizzo 229	OFF	ON	OFF	ON	ON	OFF	ON	OFF	OFF	ON	ON	ON	OFF	OFF	
Indirizzo 230	OFF	ON	OFF	ON	OFF	ON	ON	OFF	OFF	ON	ON	ON	OFF	OFF	
Indirizzo 231	OFF	ON	OFF	ON	ON	ON	ON	OFF	OFF	ON	ON	ON	OFF	OFF	
Indirizzo 232	OFF	ON	OFF	ON	OFF	OFF	OFF	ON	OFF	ON	ON	ON	OFF	OFF	
Indirizzo 233	OFF	ON	OFF	ON	ON	OFF	OFF	ON	OFF	ON	ON	ON	OFF	OFF	
Indirizzo 234	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	ON	ON	OFF		
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Indirizzo 236	OFF	ON	OFF	ON	OFF	OFF	ON	ON	OFF	ON	ON	ON	OFF	OFF	
Indirizzo 237	OFF	ON	OFF	ON	ON	OFF	ON	ON	OFF	ON	ON	ON	OFF	OFF	
Indirizzo 238	OFF	ON	OFF	ON	OFF	ON	ON	ON	OFF	ON	ON	ON	OFF	OFF	
Indirizzo 239	OFF	ON	OFF	ON	ON	ON	ON	ON	OFF	ON	ON	ON	OFF	OFF	
Indirizzo 240	OFF	ON	OFF	ON	OFF	OFF	OFF	OFF	ON	ON	ON	ON	OFF	OFF	
Indirizzo 241	OFF	ON	OFF	ON	ON	OFF	OFF	OFF	ON	ON	ON	ON	OFF	OFF	
Indirizzo 242	OFF	ON	OFF	ON	OFF	ON	OFF	OFF	ON	ON	ON	ON	OFF	OFF	
Indirizzo 243	OFF	ON	OFF	ON	ON	ON	OFF	OFF	ON	ON	ON	ON	OFF	OFF	
Indirizzo 244	OFF	ON	OFF	ON	OFF	OFF	ON	OFF	ON	ON	ON	ON	OFF	OFF	
Indirizzo 245	OFF	ON	OFF	ON	ON	OFF	ON	OFF	ON	ON	ON	ON	OFF	OFF	
Indirizzo 246	OFF	ON	OFF	ON	OFF	ON	ON	OFF	ON	ON	ON	ON	OFF	OFF	
Indirizzo 247	OFF	ON	OFF	ON	ON	ON	ON	OFF	ON	ON	ON	ON	OFF	OFF	
Indirizzo 248	OFF	ON	OFF	ON	OFF	OFF	OFF	ON	ON	ON	ON	ON	OFF	OFF	
Indirizzo 249	OFF	ON	OFF	ON	ON	OFF	OFF	ON	ON	ON	ON	ON	OFF	OFF	
Indirizzo 250	OFF	ON	OFF	ON	OFF	ON	OFF	ON	ON	ON	ON	ON	OFF	OFF	
Indirizzo 251	OFF	ON	OFF	ON	ON	ON	OFF	ON	ON	ON	ON	ON	OFF	OFF	
Indirizzo 252	OFF	ON	OFF	ON	OFF	OFF	ON	ON	ON	ON	ON	ON	OFF	OFF	
Indirizzo 253	OFF	ON	OFF	ON	ON	OFF	ON	ON	ON	ON	ON	ON	OFF	OFF	
Indirizzo 254	OFF	ON	OFF	ON	OFF	ON	ON	ON	ON	ON	ON	ON	OFF	OFF	
Indirizzo 255	OFF	ON	OFF	ON	ON	ON	ON	ON	ON	ON	ON	ON	OFF	OFF	
Indirizzo 256	OFF	ON	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	
Indirizzo 257	OFF	ON	OFF	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	
Indirizzo 258	OFF	ON	OFF	ON	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	
Indirizzo 259	OFF	ON	OFF	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	
Indirizzo 260	OFF	ON	OFF	ON	OFF	OFF	ON	OFF	OFF	OFF	OFF	OFF	ON	OFF	
Indirizzo 261	OFF	ON	OFF	ON	ON	OFF	ON	OFF	OFF	OFF	OFF	OFF	ON	OFF	
Indirizzo 262	OFF	ON	OFF	ON	OFF	ON	ON	OFF	OFF	OFF	OFF	OFF	ON	OFF	
Indirizzo 263	OFF	ON	OFF	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	ON	OFF	
Indirizzo 264	OFF	ON	OFF	ON	OFF	OFF	OFF	ON	OFF	OFF	OFF	OFF	ON	OFF	
Indirizzo 265	OFF	ON	OFF	ON	ON	OFF	OFF	ON	OFF	OFF	OFF	OFF	ON	OFF	
Indirizzo 266	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	OFF	OFF	OFF	ON	OFF	
Indirizzo 267	OFF	ON	OFF	ON	ON	ON	OFF	ON	OFF	OFF	OFF	OFF	ON	OFF	
Indirizzo 268	OFF	ON	OFF	ON	OFF	OFF	ON	ON	OFF	OFF	OFF	OFF	ON	OFF	
Indirizzo 269	OFF	ON	OFF	ON	ON	OFF	ON	ON	OFF	OFF	OFF	OFF	ON	OFF	
Indirizzo 270	OFF	ON	OFF	ON	OFF	ON	ON	ON	OFF	OFF	OFF	OFF	ON	OFF	
Indirizzo 271	OFF	ON	OFF	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	ON	OFF	
Indirizzo 272	OFF	ON	OFF	ON	OFF	OFF	OFF	OFF	ON	OFF	OFF	OFF	ON	OFF	
Indirizzo 273	OFF	ON	OFF	ON	ON	OFF	OFF	OFF	ON	OFF	OFF	OFF	ON	OFF	
Indirizzo 274	OFF	ON	OFF	ON	OFF	ON	OFF	OFF	ON	OFF	OFF	OFF	ON	OFF	
Indirizzo 275	OFF	ON	OFF	ON	ON	ON	OFF	OFF	ON	OFF	OFF	OFF	ON	OFF	
Indirizzo 276	OFF	ON	OFF	ON	OFF	OFF	ON	OFF	ON	OFF	OFF	OFF	ON	OFF	
Indirizzo 277	OFF	ON	OFF	ON	ON	OFF	ON	OFF	ON	OFF	OFF	OFF	ON	OFF	
Indirizzo 278	OFF	ON	OFF	ON	OFF	ON	ON	OFF	ON	OFF	OFF	OFF	ON	OFF	
Indirizzo 279	OFF	ON	OFF	ON	ON	ON	ON	OFF	ON	OFF	OFF	OFF	ON	OFF	
Indirizzo 280	OFF	ON	OFF	ON	OFF	OFF	OFF	ON	ON	OFF	OFF	OFF	ON	OFF	
Indirizzo 281	OFF	ON	OFF	ON	ON	OFF	OFF	ON	ON	OFF	OFF	OFF	ON	OFF	
Indirizzo 282	OFF	ON	OFF	ON	OFF	ON	OFF	ON	ON	OFF	OFF	OFF	ON	OFF	
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Ir	ndirizzo 284	OFF	ON	OFF	ON	OFF	OFF	ON	ON	ON	OFF	OFF	OFF	ON	OFF
Ir	ndirizzo 285	OFF	ON	OFF	ON	ON	OFF	ON	ON	ON	OFF	OFF	OFF	ON	OFF
Ir	ndirizzo 286	OFF	ON	OFF	ON	OFF	ON	ON	ON	ON	OFF	OFF	OFF	ON	OFF
Ir	ndirizzo 287	OFF	ON	OFF	ON	ON	ON	ON	ON	ON	OFF	OFF	OFF	ON	OFF
Ir	ndirizzo 288	OFF	ON	OFF	ON	OFF	OFF	OFF	OFF	OFF	ON	OFF	OFF	ON	OFF
Ir	ndirizzo 289	OFF	ON	OFF	ON	ON	OFF	OFF	OFF	OFF	ON	OFF	OFF	ON	OFF
Ir	ndirizzo 290	OFF	ON	OFF	ON	OFF	ON	OFF	OFF	OFF	ON	OFF	OFF	ON	OFF
Ir	ndirizzo 291	OFF	ON	OFF	ON	ON	ON	OFF	OFF	OFF	ON	OFF	OFF	ON	OFF
Ir	ndirizzo 292	OFF	ON	OFF	ON	OFF	OFF	ON	OFF	OFF	ON	OFF	OFF	ON	OFF
Ir	ndirizzo 293	OFF	ON	OFF	ON	ON	OFF	ON	OFF	OFF	ON	OFF	OFF	ON	OFF
Ir	ndirizzo 294	OFF	ON	OFF	ON	OFF	ON	ON	OFF	OFF	ON	OFF	OFF	ON	OFF
Ir	ndirizzo 295	OFF	ON	OFF	ON	ON	ON	ON	OFF	OFF	ON	OFF	OFF	ON	OFF
Ir	ndirizzo 296	OFF	ON	OFF	ON	OFF	OFF	OFF	ON	OFF	ON	OFF	OFF	ON	OFF
Ir	ndirizzo 297	OFF	ON	OFF	ON	ON	OFF	OFF	ON	OFF	ON	OFF	OFF	ON	OFF
Ir	ndirizzo 298	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	OFF	ON	OFF
Ir	ndirizzo 299	OFF	ON	OFF	ON	ON	ON	OFF	ON	OFF	ON	OFF	OFF	ON	OFF
Ir	ndirizzo 300	OFF	ON	OFF	ON	OFF	OFF	ON	ON	OFF	ON	OFF	OFF	ON	OFF
Ir	ndirizzo 301	OFF	ON	OFF	ON	ON	OFF	ON	ON	OFF	ON	OFF	OFF	ON	OFF
Ir	ndirizzo 302	OFF	ON	OFF	ON	OFF	ON	ON	ON	OFF	ON	OFF	OFF	ON	OFF
In	idirizzo 303	OFF	ON	OFF	ON	ON	ON	ON	ON	OFF	ON	OFF	OFF	ON	OFF
In	dirizzo 304	OFF	ON	OFF	ON	OFF	OFF	OFF	OFF	ON	ON	OFF	OFF	ON	OFF
In	dirizzo 305	OFF	ON	OFF	ON	ON	OFF	OFF	OFF	ON	ON	OFF	OFF	ON	OFF
In	dirizzo 306	OFF	ON	OFF	ON	OFF	ON	OFF	OFF	ON	ON	OFF	OFF	ON	OFF
In	dirizzo 307	OFF	ON	OFF	ON	ON	ON	OFF	OFF	ON	ON	OFF	OFF	ON	OFF
In	idirizzo 308	OFF	ON	OFF	ON	OFF	OFF	ON	OFF	ON	ON	OFF	OFF	ON	OFF
In	idirizzo 309	OFF	ON	OFF	ON	ON	OFF	ON	OFF	ON	ON	OFF	OFF	ON	OFF
In	idirizzo 310	OFF	ON	OFF	ON	OFF	ON	ON	OFF	ON	ON	OFF	OFF	ON	OFF
In	dirizzo 311	OFF	ON	OFF	ON	ON	ON	ON	OFF	ON	ON	OFF	OFF	ON	OFF
In	dirizzo 312	OFF	ON	OFF	ON	OFF	OFF	OFF	ON	ON	ON	OFF	OFF	ON	OFF
In	dirizzo 313	OFF	ON	OFF	ON	ON	OFF	OFF	ON	ON	ON	OFF	OFF	ON	OFF
In	dirizzo 314	OFF	ON	OFF	ON	OFF	ON	OFF	ON	ON	ON	OFF	OFF	ON	OFF
In	dirizzo 315	OFF	ON	OFF	ON	ON	ON	OFF	ON	ON	ON	OFF	OFF	ON	OFF
In	dirizzo 316	OFF	ON	OFF	ON	OFF	OFF	ON	ON	ON	ON	OFF	OFF	ON	OFF
In	dirizzo 317	OFF	ON	OFF	ON	ON	OFF	ON	ON	ON	ON	OFF	OFF	ON	OFF
In	dirizzo 318	OFF	ON	OFF	ON	OFF	ON	ON	ON	ON	ON	OFF	OFF	ON	OFF
In	idirizzo 319	OFF	ON	OFF	ON	ON	ON	ON	ON	ON	ON	OFF	OFF	ON	OFF
In	dirizzo 320	OFF	ON	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	ON	OFF
In	idirizzo 321	OFF	ON	OFF	ON	ON	OFF	OFF	OFF	OFF	OFF	ON	OFF	ON	OFF
In	idirizzo 322	OFF	ON	OFF	ON	OFF	ON	OFF	OFF	OFF	OFF	ON	OFF	ON	OFF
In	dirizzo 323	OFF	ON	OFF	ON	ON	ON	OFF	OFF	OFF	OFF	ON	OFF	ON	OFF
In	dirizzo 324	OFF	ON	OFF	ON	OFF	OFF	ON	OFF	OFF	OFF	ON	OFF	ON	OFF
	dirizzo 325	OFF	ON	OFF	ON	ON	OFF	ON	OFF	OFF	OFF	ON	OFF	ON	OFF
	idirizzo 326	OFF	ON	OFF	ON	OFF	ON	ON	OFF		OFF	ON	OFF	ON	OFF
	dirizzo 327	OFF	ON	OFF	ON	ON	ON	ON	OFF	OFF	OFF	ON	OFF	ON	OFF
	dirizzo 328	OFF	ON	OFF	ON	OFF	OFF	OFF	ON	OFF	OFF	ON	OFF	ON	OFF
	idirizzo 329	OFF	ON	OFF	ON	ON	OFF	OFF	ON	OFF	OFF	ON	OFF	ON	OFF
	idirizzo 330	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	OFF	ON	OFF	ON	OFF
In	idirizzo 331	OFF	ON	OFF	ON	ON	ON	OFF	ON	OFF	OFF	ON	OFF	ON	OFF



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Indirizzo 512	OFF	ON	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON



### C.C. multifunction controller

### SUBJECT INDEX:

DESCRIPTION

**TECHNICAL SPECIFICATION** 

DEVICE POWER SUPPLY AND CONNECTION TO THE LED MODULE

**OPERATING MODES** 

INPUT SLAVE DMX-512/RDM 4 CHANNELS (DEFAULT)

INPUT SLAVE DMX-512/RDM 4 CHANNELS WITH PARAMETERS SETTING

INPUT SLAVE DMX-512/RDM SINGLE CHANNEL

INPUT SLAVE DMX-512/RDM SINGLE CHANNEL WITH PARAMETERS SETTING

**INPUT DALI 4 CHANNELS** 

INPUT DALI SINGLE CHANNEL

INPUT PUSH (NOT ISOLATED) 4 INDIPENDENT CHANNELS + BLUETOOTH

INPUT PUSH (ISOLATED) SINGLE CHANNEL + BLUETOOTH

INPUT LINEAR POTENTIOMETER (100KOHM), 0-10V/1-10V (NOT ISOLATED) 4 **INDIPENDENT CHANNELS** 

STANDALONE SHOW GENERATOR WITH TRANSMISSION OVER DMX-512 BUS

**NEWLAB GO APPLICATION** 

PARAMETERS CONFIGURATION





### C.C. multifunction controller

4 channels Dimmers with Output Current PWM.

Input Range: 8-53V DC.

Output Current PWM with current from 0.17A to 1.05A (54.6W at 52V DC) for single channel.

In single channel mode current from 0.68A to 4.2A (218.4W at 52V).

Parallelisable output channels.

Controllable with Android/iOS app Newlab Go with different working modes: Single Channel, RGB, RGB + White, White tunable.

In order to set working modes and output current you will need the PROGDM interface sold separately.

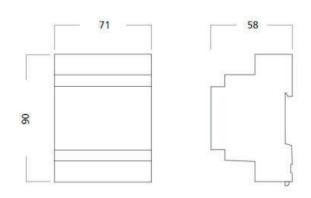
Input Controls	
Туре	Qty
DMX512 RDM	1
Insulated Push button	1
Not insulated Push button	4
DALI	1
Linear Potentiometer 100K	4
0-10V Passive	4
1-10V Passive	4
Bluetooth LE	1

Output Sync	
Туре	Qty
DMX512	1

### **TECHNICAL NOTES**

- 4 channels Dimmers with Output Current PWM.
- Input Range: 8-53V DC.
- Power 7.35W @ 8V, 11.55W @ 12V, 24.15W @ 24V, 49.35W @ 48V, 54.6W @ 53V.
- Output Current PWM with current from 0.17A to 1.05A (54.6W at 52V DC) for single channel.
- In single channel mode current from 0.68A to 4.2A (218.4W at 52V).
- Parallelisable output channels.
- MASTER/SLAVE configuration for digital syncro with other Newlab Dimmer or DMX512A compatible device.
- Default Configuration: SLAVE DMX512A 4 Channel.
- L392MA00N0A01 interface (optional) is required to change operating mode.
- Input Controls: DMX512 RDM x1, Insulated Push button x1, Not insulated Push button x4, DALI x1, Linear Potentiometer 100K x4, 0-10V Passive x4, 1-10V Passive x4, Bluetooth LE x1.
- Output Sync: DMX512 x1.
- Notice on 0-10V (1-10V): this control circuits is not insulated, use only insulated 0-10V(1-10V) source generator.
- PWM Frequency: 390 Hz.
- Converter DALI to DMX.
- Thermal foldback: 150 C. Degrees on uC.
- Storage Temperature Min: -40 Max: 60 C. Degrees.
- Working Temperature Min: -20 Max: 50 C. Degrees.
- Printed Circuit UL.
- Protection Class: IP20.
- Weight: 98 gr.









### C.C. multifunction controller

- Standard Dimension 90x70x58 mm.
- Reverse polarity protection.
- Open circuit protection.
- Surge voltage protection.
- Over temperature protection.
- Short circuit protection.
- If the control voltage of the PUSH input is higher than the SELV voltage it is necessary to use the OPTIONAL terminal / cable cover to keep the product in CLASS II.
- Use only in dry conditions.















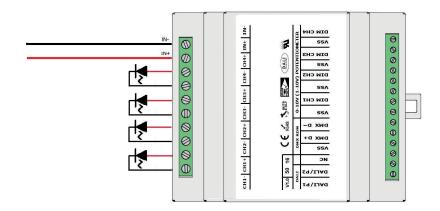


CODE	INPUT VOLTAGE	(MAX) OUTPUT CURRENT	N. OUTPUT CHANNELS	MAX OUTPUT POWER	CONTROL INPUTS	CASE	DIMENSION mm
DM4CC	8-53V DC	from 0.17A	4	54.6W at 52V DC	DMX512 RDM x1	YES	90x70
		to 1.05A		for single channel	Insulated Push button x1		h 58
		for single		218.4W at 52V DC	Not insulated Push button x4		
		channel		total	DALI x1		
					Linear Potentiometer 100K x4		
					0-10V Passive x4		
					1-10V Passive x4		
					Bluetooth LE x1		



C.C. multifunction controller

### DEVICE POWER SUPPLY AND CONNECTION TO THE LED MODULE



#### POWER SUPPLY CONNECTION DIAGRAM AND LED DM4CC - FIGURE N. 1

The DM4CC dimmer has to be powered according to the polarity showed in FIG. 1 through the DC IN (+ and -) terminals.

In case the power supply polarity is inverted no damage will be caused to the device.

The LED load connection on DM4CC (output constant current common anode) has to be made by using the CH1-, CH1+, CH2-, CH2+, CH3-, CH3+, CH4-, CH4+ terminals.

In case of single-channel mode, or in the case of loads that require currents higher than 1050 mA it is possible to parallelize the outputs.

The resulting output current will be the sum of the parallelized channels.



C.C. multifunction controller

#### **OPERATING MODES**

DM4CC devices can work on different operating modes.

Operating mode and configuration parameters (example: DMX address, Fade, etc.) can be programmed through the PROGDM programmer interface sold separately.

See parameters configuration section in this manual or consult newlabacademy App on iOS or Android.

The supported operation modes are:

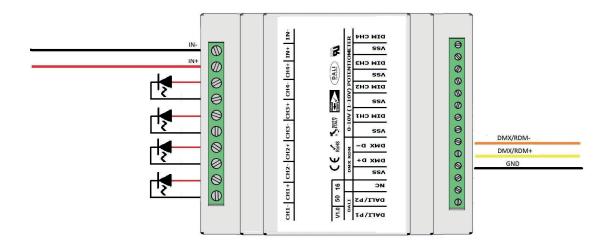
- INPUT SLAVE DMX-512/RDM 4 CHANNELS (DEFAULT)
- INPUT SLAVE DMX-512/RDM 4 CHANNELS WITH PARAMETERS SETTING
- INPUT SLAVE DMX-512/RDM SINGLE CHANNEL
- INPUT SLAVE DMX-512/RDM SINGLE CHANNEL WITH PARAMETERS SETTING
- INPUT DALI 4 CHANNELS
- INPUT DALI SINGLE CHANNEL
- INPUT PUSH (NOT ISOLATED) 4 INDIPENDENT CHANNELS + BLUETOOTH
- INPUT PUSH (ISOLATED) SINGLE CHANNEL + BLUETOOTH
- INPUT LINEAR POTENTIOMETER (100Kohm), 0-10V/1-10V (NOT ISOLATED) 4 INDIPENDENT CHANNELS
- STANDALONE SHOW GENERATOR WITH TRANSMISSION OVER DMX-512 BUS

In all operating modes except SLAVE DMX512/RDM operating modes, DM4CC devices convert input data received via DALI, PUSH, 0-10V, 1-10V, potentiometer, BLE interfaces and transmit them over DMX-512/RDM Bus on channels 1-2-3-4.



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### **INPUT SLAVE DMX-512/RDM 4 CHANNELS (DEFAULT)**



#### BUS DMX512/RDM WIRING DIAGRAM DM4CC - FIGURE N. 2

In this operating mode (DEFAULT) the device can be driven via DMX-512/RDM bus. The device occupies 4 DMX-512/RDM channels starting from base address. The DMX base address (DEFAULT 1) can be set through RDM protocol or through the PROGDM programmer interface.

See parameters configuration section in this manual or consult newlabacademy App on iOS or Android.

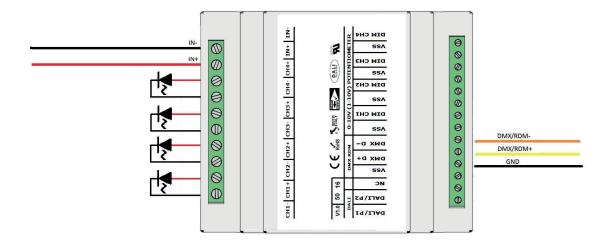
In this operation mode the device works with LINEAR CURVE and FADE is disabled.

ATTENTION: IN ORDER TO MAKE THE DMX BUS OPERATE CORRECTLY YOU MUST CONNECT TOGETHER ALL GND TERMINALS OF THE DEVICES CONNECTED TO THE BUS. CONNECT THE TERMINAL VSS LIKE IN THE FIGURE ABOVE.



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#### INPUT SLAVE DMX-512/RDM 4 CHANNELS WITH PARAMETERS SETTING



#### BUS DMX512/RDM WIRING DIAGRAM DM4CC - FIGURE N. 3

In this operating mode (DEFAULT) the device can be driven via DMX-512/RDM bus. The device occupies 4 DMX-512/RDM channels starting from base address. The DMX base address (DEFAULT 1) can be set through RDM protocol or through the PROGDM programmer interface.

See parameters configuration section in this manual or consult newlabacademy App on iOS or Android.

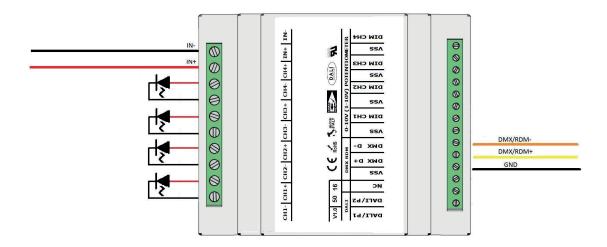
In this operation mode you can set the Dimming Curve (Logaritmic or Linear) and enable or disable the FADE.

ATTENTION: IN ORDER TO MAKE THE DMX BUS OPERATE CORRECTLY YOU MUST CONNECT TOGETHER ALL GND TERMINALS OF THE DEVICES CONNECTED TO THE BUS. CONNECT THE TERMINAL VSS LIKE IN THE FIGURE ABOVE.



C.C. multifunction controller

#### **INPUT SLAVE DMX-512/RDM SINGLE CHANNEL**



BUS DMX512/RDM WIRING DIAGRAM DM4CC - FIGURE N. 4

In this operating mode (DEFAULT) the device can be driven via DMX-512/RDM bus with single channel feature. The device occupies 1 DMX-512/RDM channel.

The device in this operating mode is able to handle up to a total of 4.2A.

The DMX base address (DEFAULT 1) can be set through RDM protocol or through the PROGDM programmer interface.

See parameters configuration section in this manual or consult newlabacademy App on iOS or Android.

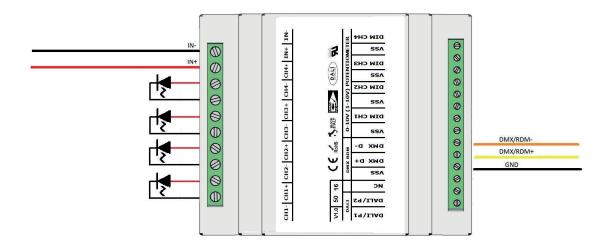
In this operation mode the device works with LINEAR CURVE and FADE is disabled.

ATTENTION: IN ORDER TO MAKE THE DMX BUS OPERATE CORRECTLY YOU MUST CONNECT TOGETHER ALL GND TERMINALS OF THE DEVICES CONNECTED TO THE BUS. CONNECT THE TERMINAL VSS LIKE IN THE FIGURE ABOVE.



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#### INPUT SLAVE DMX-512/RDM SINGLE CHANNEL WITH PARAMETERS SETTING



BUS DMX512/RDM WIRING DIAGRAM DM4CC - FIGURE N. 5

In this operating mode (DEFAULT) the device can be driven via DMX-512/RDM bus with single channel feature. The device occupies 1 DMX-512/RDM channel.

In this operating mode the device is able to handle up to a total of 4.2A.

The DMX base address (DEFAULT 1) can be set through RDM protocol or through the PROGDM programmer interface.

In this operation mode you can set the Dimming Curve (Logaritmic or Linear) and enable or disable the FADE.

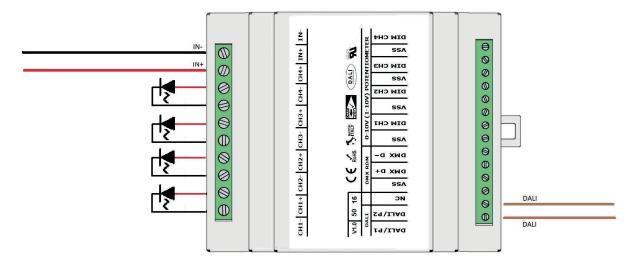
See parameters configuration section in this manual or consult newlabacademy App on iOS or Android.

ATTENTION: IN ORDER TO MAKE THE DMX BUS OPERATE CORRECTLY YOU MUST CONNECT TOGETHER ALL GND TERMINALS OF THE DEVICES CONNECTED TO THE BUS. CONNECT THE TERMINAL VSS LIKE IN THE FIGURE ABOVE.



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#### **INPUT DALI 4 CHANNELS**



#### DALI WIRING DIAGRAM DM4CC - FIGURE N. 6

In this operating mode the dimmer DM4CC works as DALI 4 Channels dimmer.

During the addressing phase the device is seen by DALI bus like 4 independent devices.

The maximum current absorbed by DALI Bus is about 2mA.

In this operating mode parameters received via DALI Bus will be sent via DMX512/RDM on fixed channels 1-2-3-4:

FIRST DEVICE DALI -> DMX512 ADDRESS 1

SECOND DEVICE DALI -> DMX512 ADDRESS 2

THIRD DEVICE DALI -> DMX512 ADDRESS 3

FOURTH DEVICE DALI -> DMX512 ADDRESS 4

See parameters configuration section in this manual or consult newlabacademy App on iOS or Android.

#### IN THIS OPERATING MODE THE BLE (Bluetooth) CONTROL IS DISABLED

#### Below you can find the implemented standard commands:

DIRECT ARC POWER **OFF** UP

**DOWN** STEP UP STEP DOWN

RECALL MAX LEVEL

RECALL MIN LEVEL STEP DOWN AND OFF ON AND STEP UP

GO TO SCENE (0-15)

RESET

STORE ACTUAL LEVEL IN THE DTR STORE THE DTR AS MAX LEVEL STORE THE DTR AS MIN LEVEL

STORE THE DTR AS SYSTEM FAILURE LEVEL

STORE THE DTR AS POWER ON LEVEL

STORE THE DTR AS FADE TIME STORE THE DTR AS FADE RATE STORE THE DTR AS SCENE (0-15) REMOVE FROM SCENE (0-15)

ADD TO GROUP (0-15)

REMOVE FROM GROUP (0-15) STORE DTR AS SHORT ADDRESS **QUERY STATUS** QUERY BALLAST

QUERY LAMP POWER ON QUERY LIMIT ERROR

QUERY RESET STATE QUERY MISSING SHORT ADDRESS

QUERY VERSION NUMBER QUERY DEVICE TYPE

QUERY PHISICAL MINIMUM LEVEL

QUERY POWER FAILURE QUERY CONTENT DTR1 **QUERY CONTENT DTR2** QUERY ACTUAL LEVEL QUERY MAX LEVEL

QUERY MIN LEVEL QUERY POWER ON LEVEL

QUERY SYSTEM FAILURE LEVEL QUERY FADE TIME/FADE RATE QUERY SCENE LEVEL (0-15)

QUERY GROUPS (0-7) QUERY GROUPS (8-15)

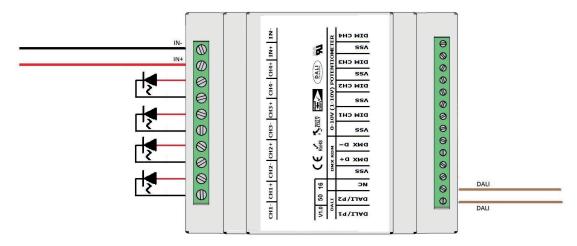
QUERY RANDOM ADDRESS H QUERY RANDOM ADDRESS M QUERY RANDOM ADDRESS L





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#### INPUT DALI SINGLE CHANNEL



DALI WIRING DIAGRAM DM4CC - FIGURE N. 7

In this operating mode the dimmer DM4CC works as DALI single Channel dimmer. The maximum current absorbed by DALI Bus is about 2mA.

In this operating mode parameters received via DALI Bus will be sent via DMX512/RDM on fixed channels 1-2-3-4:

FIRST DEVICE DALI -> DMX512 ADDRESS 1

SECOND DEVICE DALI -> DMX512 ADDRESS 2

THIRD DEVICE DALI -> DMX512 ADDRESS 3

FOURTH DEVICE DALI -> DMX512 ADDRESS 4

See parameters configuration section in this manual or consult newlabacademy App on iOS or Android.

#### IN THIS OPERATING MODE THE BLE (Bluetooth) CONTROL IS DISABLED

#### Below you can find the implemented standard commands:

DIRECT ARC POWER **OFF** UP **DOWN** STEP UP STEP DOWN RECALL MAX LEVEL RECALL MIN LEVEL STEP DOWN AND OFF ON AND STEP UP GO TO SCENE (0-15) RESET

STORE ACTUAL LEVEL IN THE DTR STORE THE DTR AS MAX LEVEL STORE THE DTR AS MIN LEVEL

STORE THE DTR AS SYSTEM FAILURE LEVEL

STORE THE DTR AS POWER ON LEVEL

STORE THE DTR AS FADE TIME STORE THE DTR AS FADE RATE STORE THE DTR AS SCENE (0-15) REMOVE FROM SCENE (0-15)

ADD TO GROUP (0-15)

REMOVE FROM GROUP (0-15) STORE DTR AS SHORT ADDRESS **QUERY STATUS** 

QUERY BALLAST

QUERY LAMP POWER ON QUERY LIMIT ERROR QUERY RESET STATE

QUERY MISSING SHORT ADDRESS

**QUERY VERSION NUMBER** 

QUERY DEVICE TYPE

QUERY PHISICAL MINIMUM LEVEL

**QUERY POWER FAILURE** QUERY CONTENT DTR1 QUERY CONTENT DTR2 QUERY ACTUAL LEVEL QUERY MAX LEVEL

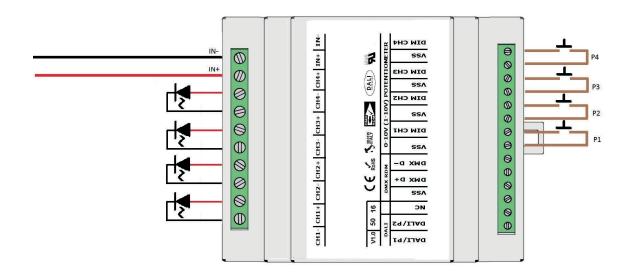
QUERY MIN LEVEL QUERY POWER ON LEVEL QUERY SYSTEM FAILURE LEVEL QUERY FADE TIME/FADE RATE QUERY SCENE LEVEL (0-15) QUERY GROUPS (0-7) QUERY GROUPS (8-15)

QUERY RANDOM ADDRESS H QUERY RANDOM ADDRESS M QUERY RANDOM ADDRESS L



C.C. multifunction controller

### INPUT PUSH (NOT ISOLATED) 4 INDIPENDENT CHANNELS + BLUETOOTH



#### PUSH INTERFACE WIRING DIAGRAM DM4CC - FIGURE N. 8

In this operating mode it is possible to drive the 4 output channels just pressing 4 buttons N.O. connected like in the figure 8.

In this operating mode it is also possible to drive the dimmer via Newlab Go App for iOS and Android. See the section in this manual for more information

#### **PUSH** interface operation

Single Click (rapid press (<1sec))

- Turns on or off the output (ON/OFF).

Double Click (rapid press (<1sec))

- Sets maximum brightness (output= 100%)

#### Long Press (long press (>1sec))

- If the dimmer is in OFF position, it sets the output to the minimum value (default= 1%)
- If the dimmer is in ON position, the long press enables the output dimming (up/down).

In this operating mode parameters received via PUSH interface will be sent via DMX512/RDM on fixed channels 1-2-3-4:

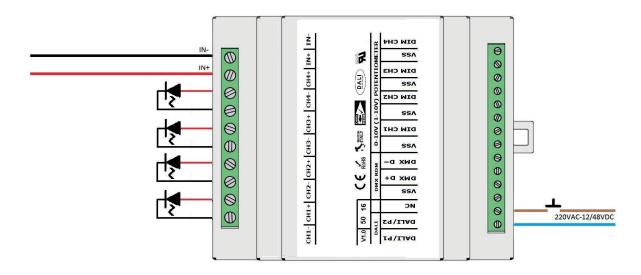
FIRST DEVICE DALI -> DMX512 ADDRESS 1 SECOND DEVICE DALI -> DMX512 ADDRESS 2 THIRD DEVICE DALI -> DMX512 ADDRESS 3 FOURTH DEVICE DALI -> DMX512 ADDRESS 4

See parameters configuration section in this manual or consult newlabacademy App on iOS or Android.



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### INPUT PUSH (ISOLATED) SINGLE CHANNEL + BLUETOOTH



PUSH INTERFACE WIRING DIAGRAM DM4CC - FIGURE N. 9

In this operating mode it is possible to drive the 4 output channels just pressing 1 button N.O. connected like in the figure 9.

In this operating mode the device is able to handle up to a total of 4.2A.

In this operating mode it is also possible to drive the dimmer via Newlab Go App for iOS and Android. See the section in this manual for more information

#### **PUSH** interface operation

Single Click (rapid press (<1sec))

- Turns on or off the output (ON/OFF).

Double Click (rapid press (<1sec))

- Sets maximum brightness (output= 100%)

Long Press (long press (>1sec))

- If the dimmer is in OFF position, it sets the output to the minimum value (default= 1%)
- If the dimmer is in ON position, the long press enables the output dimming (up/down).

In this operating mode parameters received via PUSH interface will be sent via DMX512/RDM on fixed channels 1-2-3-4:

FIRST DEVICE DALI -> DMX512 ADDRESS 1

SECOND DEVICE DALI -> DMX512 ADDRESS 2

THIRD DEVICE DALI -> DMX512 ADDRESS 3

FOURTH DEVICE DALI -> DMX512 ADDRESS 4

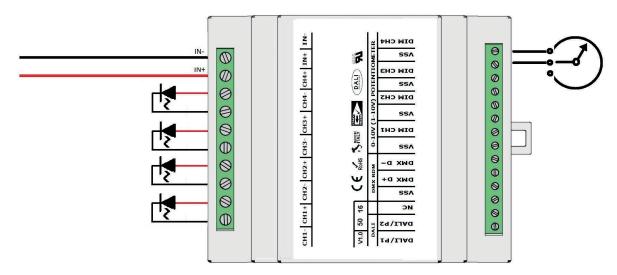
See parameters configuration section in this manual or consult newlabacademy App on iOS or Android.





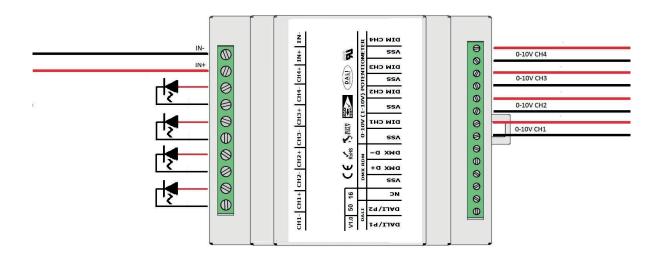
C.C. multifunction controller

### INPUT LINEAR POTENTIOMETER (100KOHM), 0-10V/1-10V (NOT ISOLATED) 4 INDIPENDENT **CHANNELS**



#### POTENTIOMETER WIRING DIAGRAM DM4CC

(THE FIGURE SHOW ONLY THE CONNECTION OF CHANNEL 4) - FIGURE N. 10



WIRING DIAGRAM 0-10V/1-10V DM4CC - FIGURE N. 11

In this operating mode it is possible to drive the dimmer DM4CC with analog signals.

Depending on the wiring diagram in the previous figures it is possible to use a 0-10V (1-10V) signal or a 100Kohm linear potentiometer.

Each input analog channel drive the luminosity of corresponding output channel.

The maximum current absorbed by the dimmer driven with 0-10V/1-10V signal is about 0,1mA.

The default dimming curve is logarithmic\* and follows proportionally the input voltage control.



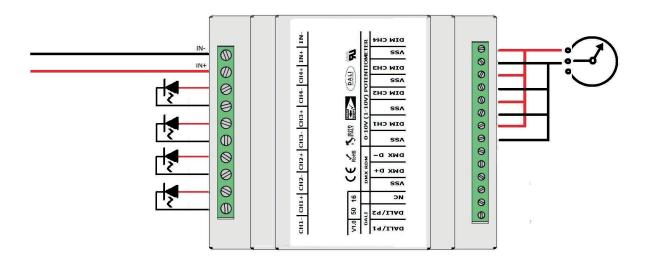


### C.C. multifunction controller

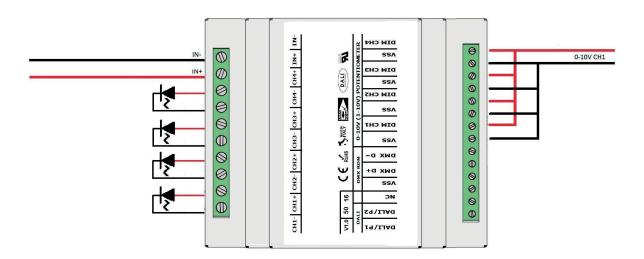
\*This setting can be configured via PROGDM programmer interface (optional)

A voltage low than 1V is interpreted as off load.

In the pictures above the wiring diagrams for single channel operating mode potentiometer (100 Kohm) and 0-10V, 1-10V.



POTENTIOMETER WIRING DIAGRAM SINGLE CHANNEL DM4CC - FIGURE N. 12



0-10V/1-10V WIRING DIAGRAM SINGLE CHANNEL DM4CC - FIGURE N. 13

This mode allows control of DM4CC dimmer with analog signals and outputs synchronous channel.

Depending on the wiring diagram in the previous figures it is possible to use a 0-10V (1-10V) signal or a 100Kohm linear potentiometer.

All output channels will be handle synchronously and proportionally to the input signals.

The maximum current absorbed by the dimmer driven with 0-10V/1-10V signal in single channel mode is about 0,4mA.

The default dimming curve is logarithmic\* and follows proportionally the input voltage control.

\*This setting can be configured via PROGDM programmer interface

A voltage low than 1V is interpreted as off load.



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### STANDALONE SHOW GENERATOR WITH TRANSMISSION OVER DMX-512 BUS

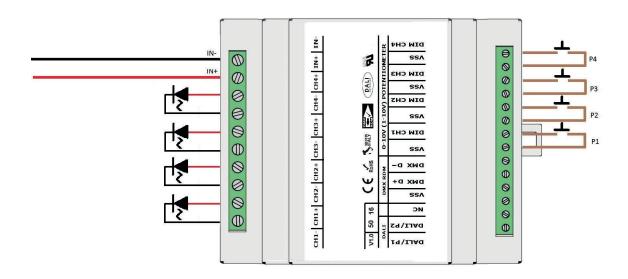


FIGURE N. 14

In this operating mode the dimmer DM4CC work as DMX preloaded show generator with 4 buttons N.O. connected like in the figure 14.

IN THIS OPERATING MODE THE BLE (Bluetooth) CONTROL IS DISABLED ON FIRMWARE PRIOR TO **RELEASE 3.2** 





## C.C. multifunction controller

Each press of the button changes the running program according to the following table.

P1	P2	P3	P4
Shows and Fades	Fixed Color (Channel % R—G—B)	Power ON and Power OFF	Power ON and Power OFF
		CH4 (White)	
1 RAINBOW SLOW	1 Show lock and store color	1 Quick press: Power OFF	1 Quick press: Power OFF
2 RAINBOW MEDIUM	1 WHITE (66%100%78%)		
3 RAINBOW FAST	2 WARM WHITE (100%83%5%)	2 Quick press: Power ON	2 Quick press: Power ON and
4 SLOW FADE	3 COLD WHITE (54%100%100%)		memory recall to the last shutdown
5 FADE MEDIUM	4 RED (100%00%00%)		
6 FADE FAST	5 ORANGE (100%15%00%)	3: Long press variation in light intensity (2% - 100%)	3: Long press variation in light intensity (2% - 100%)
7 COLD FADE SLOW	6 TANGERIN (100%15%00%)		
	7 MELON (100%47%00%)		
8 COLD FADE MEDIUM	8 LEMON (100%100%00%)		
	9 LIME (70%100%00%)		
9 COLD FADE FAST	10 ACID GREEN (47%100%00%)		
	11 GREEN APPLE (29%100%00%)		
10 WARM FADE SLOW	12 FLUO GREEN (11%100%00%)		
	13 GREEN (00%100%00%)		
11 WARM FADE	14 WATER GREEN (00%100%10%)		
MEDIUM	15 CARIBBEAN (00%100%20%)		
12 WARM FADE FAST	16 CLEAR SKY (00%100%45%)		
	17 LIGHT BLUE (00%100%100%)		
13 SLOW RED FADE	18 BLUE MANGANESE (00%43%100%)		
	19 BLUE (00%00%100%)		
14 MEDIUM RED FADE	20 IRIS (10%00%100%)		
	21 LAVENDER (17%00%100%)		
15 FAST RED FADE	22 LIGHT VIOLET (37%00%100%)		
	23 FLUO PINK (65%00%100%)		
	24 LIGHT PINK (100%47%16%)		
	25 PINK (100%00%100%)		
	26 SHOCKING PINK (100%00%75%)		
	27 BRIGHT PINK(100%00%47%)		
	28 VIOLET (100%00%100%)		
	29 PURPLE (100%00%4%)		





C.C. multifunction controller

#### **NEWLAB GO APPLICATION**

The implemented features are:

Switching on and off and the brightness level control of each individual light point.

Ability to group together and control several light points with just a simple command.

Creation and recall of your favourite lighting sceneries.

The system management from a single simplified user interface.

#### THE BLUETOOTH LE CONNECTION DOES NOT REQUIRE PAIRING PROCEDURE

Newlab Go App features (\* depending on the device only some functions may be available)

Dimmer management at 1 or 4 channels with different modes of operation:

- Mono channel
- 4 synchronized channels
- RGB (3 channels or 3 zones)
- RGB + White (4 channels or 4 zones)
- Dynamic White

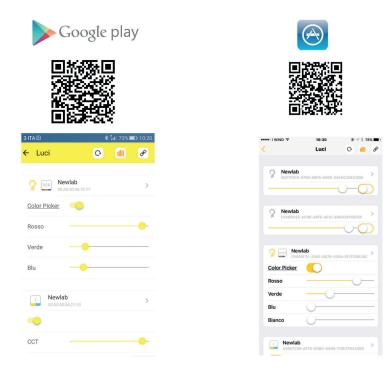
The dimming level is saved when the app is closed or the devices are disconnected from the Bluetooth smartphone.





### C.C. multifunction controller

In order to install the app on your Apple or Android device you need to scan the desired QRCode to be automatically redirected to the product data sheet of the Newlab Go application.



As an alternative you can download the app by clicking on one of two links below:

Apple:

https://itunes.apple.com/it/app/newlab-go/id1151044984?mt=8

Android:

https://play.google.com/store/apps/details?id=com.newlablight.newlabgo

There is also a video guide on YouTube at the following link:

https://www.youtube.com/watch?v=R0c7MLK7Cbc

There is also a video guide on YouTube at the following link:

https://www.youtube.com/watch?v=R0c7MLK7Cbc





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### PARAMETERS CONFIGURATION

CLICK ON THE WANTED CONFIGURATION TO VIEW PROGRAMMER IMAGE

		F	Reset											
Configuration	Α	В	С	D	1	2	3	4	5	6	7	8	9	10
Reset	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON

		Dimm	ing Cι	ırve										
Configuration	Α	В	С	D	1	2	3	4	5	6	7	8	9	10
Logarithmic	OFF	OFF	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Linear	OFF	OFF	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON

		F	ade											
Configuration	Α	В	С	D	1	2	3	4	5	6	7	8	9	10
Fade Off	OFF	OFF	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Fade On	OFF	OFF	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON

		Chan	ige Mo	de										
Configuration	Α	В	С	D	1	2	3	4	5	6	7	8	9	10
Input Slave DMX-512/RDM 4 channels	OFF	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Input Slave DMX-512/RDM 4 channels	OFF	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON
with parameter settings														
Input Slave DMX-512/RDM single channel	OFF	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF
Input Slave DMX-512/RDM single channel	OFF	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON
with parameter settings														
Input DALI 4 channels	OFF	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	OFF
Input DALI single channel	OFF	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	ON
Input PUSH (NOT ISOLATED)	OFF	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	OFF
4 independent channels + Bluetooth														
Input PUSH (ISOLATED) single channel + Bluetooth	OFF	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON
Input Linear Potentiometer (100KOhm),	OFF	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	OFF	OFF
0-10V, 1-10V 4 independent channels														
Standalone Show Generator with	OFF	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	OFF	ON
transmission control over DMX-512 bus														

		С	urrent											
Configuration	Α	В	С	D	1	2	3	4	5	6	7	8	9	10
170 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
182 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON
195 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF
210 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON
222 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	OFF
235 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	ON
250 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	OFF
260 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON
270 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	OFF	OFF
290 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	OFF	ON
300 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	ON	OFF
315 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	ON	ON
330 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	OFF	OFF





345 r	mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	OFF	ON
355 r	mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	OFF
370 r	mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	ON
385 r	mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	OFF	OFF	OFF
395 r	mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	OFF	OFF	ON
410 r	mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	OFF	ON	OFF
425 r	mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	OFF	ON	ON
438 r	mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	ON	OFF	OFF
450 r	mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	ON	OFF	ON
465 r	mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	ON	ON	OFF
480 r	mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	ON	ON	ON
490 r	mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	OFF	OFF	OFF
500 r	mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	OFF	OFF	ON
515 r	mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	OFF	ON	OFF
530 r	mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	OFF	ON	ON
545 r	mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	OFF	OFF
560 r	mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	OFF	ON
575 r	mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	ON	OFF
585 r	mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	ON	ON
600 r	mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	OFF	OFF	OFF	OFF
615 r	mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	OFF	OFF	OFF	ON
626 r	mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	OFF	OFF	ON	OFF
640 r	mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	OFF	OFF	ON	ON
653 r	mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	OFF	ON	OFF	OFF
667 r	mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	OFF	ON	OFF	ON
680 r	mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
694 r	mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	OFF	ON	ON	ON
707 r	mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	ON	OFF	OFF	OFF
721 r	mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	ON	OFF	OFF	ON
734 r	mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	ON	OFF	ON	OFF
748 r	mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	ON	OFF	ON	ON
761 r	mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	ON	ON	OFF	OFF
775 r	mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	ON	ON	OFF	ON
788 r	mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	ON	ON	ON	OFF
802 r	mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	ON	ON	ON	ON
815 r	mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	OFF	OFF	OFF	OFF
829 r	mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	OFF	OFF	OFF	ON
840 r	mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	OFF	OFF	ON	OFF
855 r	mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	OFF	OFF	ON	ON
870 r	mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	OFF	ON	OFF	OFF
880 r	mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	OFF	ON	OFF	ON
895 r		OFF	ON	OFF	OFF	OFF	OFF		OFF	ON	ON	OFF	ON	ON	OFF
910 r		OFF	ON	OFF	OFF		OFF		OFF	ON	ON	OFF	ON	ON	ON
920 r		OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	OFF	OFF	OFF
935 r		OFF	ON	OFF	OFF	OFF	OFF		OFF	ON	ON	ON	OFF	OFF	ON
950 r		OFF	ON	OFF	OFF	OFF	OFF		OFF	ON	ON	ON	OFF	ON	OFF
965 r		OFF	ON	OFF	OFF	OFF	OFF		OFF	ON	ON	ON	OFF	ON	ON
975 r		OFF	ON	OFF	OFF	OFF	OFF		OFF	ON	ON	ON	ON	OFF	OFF
990 r		OFF	ON			OFF			OFF	ON	ON	ON	ON	OFF	ON
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1020 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	ON	ON	OFF	l
1050 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	ON	ON	ON	

		DMX	Addre	ess										
Configuration	Α	В	С	D	1	2	3	4	5	6	7	8	9	10
Address 1	OFF	ON	OFF	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Address 2	OFF	ON	OFF	ON	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Address 3	OFF	ON	OFF	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Address 4	OFF	ON	OFF	ON	OFF	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Address 5	OFF	ON	OFF	ON	ON	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Address 6	OFF	ON	OFF	ON	OFF	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Address 7	OFF	ON	OFF	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Address 8	OFF	ON	OFF	ON	OFF	OFF	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF
Address 9	OFF	ON	OFF	ON	ON	OFF	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF
Address 10	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF
Address 11	OFF	ON	OFF	ON	ON	ON	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF
Address 12	OFF	ON	OFF	ON	OFF	OFF	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF
Address 13	OFF	ON	OFF	ON	ON	OFF	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF
Address 14	OFF	ON	OFF	ON	OFF	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF
Address 15	OFF	ON	OFF	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF
Address 16	OFF	ON	OFF	ON	OFF	OFF	OFF	OFF	ON	OFF	OFF	OFF	OFF	OFF
Address 17	OFF	ON	OFF	ON	ON	OFF	OFF	OFF	ON	OFF	OFF	OFF	OFF	OFF
Address 18	OFF	ON	OFF	ON	OFF	ON	OFF	OFF	ON	OFF	OFF	OFF	OFF	OFF
Address 19	OFF	ON	OFF	ON	ON	ON	OFF	OFF	ON	OFF	OFF	OFF	OFF	OFF
Address 20	OFF	ON	OFF	ON	OFF	OFF	ON	OFF	ON	OFF	OFF	OFF	OFF	OFF
Address 21	OFF	ON	OFF	ON	ON	OFF	ON	OFF	ON	OFF	OFF	OFF	OFF	OFF
Address 22	OFF	ON	OFF	ON	OFF	ON	ON	OFF	ON	OFF	OFF	OFF	OFF	OFF
Address 23	OFF	ON	OFF	ON	ON	ON	ON	OFF	ON	OFF	OFF	OFF	OFF	OFF
Address 24	OFF	ON	OFF	ON	OFF	OFF	OFF	ON	ON	OFF	OFF	OFF	OFF	OFF
Address 25	OFF	ON	OFF	ON	ON	OFF	OFF	ON	ON	OFF	OFF	OFF	OFF	OFF
Address 26	OFF	ON	OFF	ON	OFF	ON	OFF	ON	ON	OFF	OFF	OFF	OFF	OFF
Address 27	OFF	ON	OFF	ON	ON	ON	OFF	ON	ON	OFF	OFF	OFF	OFF	OFF
Address 28	OFF	ON	OFF	ON	OFF	OFF	ON	ON	ON	OFF	OFF	OFF	OFF	OFF
Address 29	OFF	ON	OFF	ON	ON	OFF	ON	ON	ON	OFF	OFF	OFF	OFF	OFF
Address 30	OFF	ON	OFF	ON	OFF	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF
Address 31	OFF	ON	OFF	ON	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF
Address 32	OFF	ON	OFF	ON	OFF	OFF	OFF	OFF	OFF	ON	OFF	OFF	OFF	OFF
Address 33	OFF	ON	OFF	ON	ON	OFF	OFF	OFF	OFF	ON	OFF	OFF	OFF	OFF
Address 34	OFF	ON	OFF	ON	OFF	ON	OFF	OFF	OFF	ON	OFF	OFF	OFF	OFF
Address 35	OFF	ON	OFF	ON	ON	ON	OFF	OFF	OFF	ON	OFF	OFF	OFF	OFF
Address 36	OFF	ON	OFF	ON	OFF	OFF	ON	OFF	OFF	ON	OFF	OFF	OFF	OFF
Address 37	OFF	ON	OFF	ON	ON	OFF	ON	OFF	OFF	ON	OFF	OFF	OFF	OFF
Address 38	OFF	ON	OFF	ON	OFF	ON	ON	OFF	OFF	ON	OFF	OFF	OFF	OFF
Address 39	OFF	ON	OFF	ON	ON	ON	ON	OFF	OFF	ON	OFF	OFF	OFF	OFF
Address 40	OFF	ON	OFF	ON	OFF	OFF	OFF	ON	OFF	ON	OFF	OFF	OFF	OFF
Address 41	OFF	ON	OFF	ON	ON	OFF	OFF	ON	OFF	ON	OFF	OFF	OFF	OFF
Address 42	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	OFF	OFF	OFF
Address 43	OFF	ON	OFF	ON	ON	ON	OFF	ON	OFF	ON	OFF	OFF	OFF	OFF
Address 44	OFF	ON	OFF	ON	OFF	OFF	ON	ON	OFF	ON	OFF	OFF	OFF	OFF





I	Address 45	OFF	ON	OFF	ON	ON	OFF	ON	ON	OFF	ON	OFF	OFF	OFF	OFF
	Address 46	OFF	ON	OFF	ON	OFF	ON	ON	ON	OFF	ON	OFF	OFF	OFF	
	Address 47	OFF	ON	OFF	ON	ON	ON	ON	ON	OFF	ON	OFF	OFF	OFF	OFF
	Address 48	OFF	ON	OFF	ON	OFF	OFF	OFF	OFF	ON	ON	OFF	OFF	OFF	
	Address 49	OFF	ON	OFF	ON	ON	OFF	OFF	OFF	ON	ON	OFF	OFF	OFF	OFF
	Address 50	OFF	ON	OFF	ON	OFF	ON	OFF	OFF	ON	ON	OFF	OFF	OFF	OFF
	Address 51	OFF	ON	OFF	ON	ON	ON	OFF	OFF	ON	ON	OFF	OFF	OFF	OFF
	Address 52	OFF	ON	OFF	ON	OFF	OFF	ON	OFF	ON	ON	OFF	OFF	OFF	
	Address 53	OFF	ON	OFF	ON	ON	OFF	ON	OFF	ON	ON	OFF	OFF	OFF	OFF
	Address 54	OFF	ON	OFF	ON	OFF	ON	ON	OFF	ON	ON	OFF	OFF	OFF	OFF
	Address 55	OFF	ON	OFF	ON	ON	ON	ON	OFF	ON	ON	OFF	OFF	OFF	OFF
	Address 56	OFF	ON	OFF	ON	OFF	OFF	OFF	ON	ON	ON	OFF	OFF	OFF	OFF
	Address 57	OFF	ON	OFF	ON	ON	OFF	OFF	ON	ON	ON	OFF	OFF	OFF	OFF
	Address 58	OFF	ON	OFF	ON	OFF	ON	OFF	ON	ON	ON	OFF	OFF	OFF	
	Address 59	OFF	ON	OFF	ON	ON	ON	OFF	ON	ON	ON	OFF	OFF	OFF	OFF
	Address 60	OFF	ON	OFF	ON	OFF	OFF	ON	ON	ON	ON	OFF	OFF	OFF	OFF
	Address 61	OFF	ON	OFF	ON	ON	OFF	ON	ON	ON	ON	OFF	OFF	OFF	OFF
	Address 62	OFF	ON	OFF	ON	OFF	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF
	Address 63	OFF	ON	OFF	ON	ON	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF
	Address 64	OFF	ON	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	OFF	OFF
	Address 65	OFF	ON	OFF	ON	ON	OFF	OFF	OFF	OFF	OFF	ON	OFF	OFF	OFF
	Address 66	OFF	ON	OFF	ON	OFF	ON	OFF	OFF	OFF	OFF	ON	OFF	OFF	OFF
	Address 67	OFF	ON	OFF	ON	ON	ON	OFF	OFF	OFF	OFF	ON	OFF	OFF	OFF
	Address 68	OFF	ON	OFF	ON	OFF	OFF	ON	OFF	OFF	OFF	ON	OFF	OFF	OFF
	Address 69	OFF	ON	OFF	ON	ON	OFF	ON	OFF	OFF	OFF	ON	OFF	OFF	OFF
	Address 70	OFF	ON	OFF	ON	OFF	ON	ON	OFF	OFF	OFF	ON	OFF	OFF	OFF
	Address 71	OFF	ON	OFF	ON	ON	ON	ON	OFF	OFF	OFF	ON	OFF	OFF	OFF
	Address 72	OFF	ON	OFF	ON	OFF	OFF	OFF	ON	OFF	OFF	ON	OFF	OFF	OFF
	Address 73	OFF	ON	OFF	ON	ON	OFF	OFF	ON	OFF	OFF	ON	OFF	OFF	OFF
	Address 74	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	OFF	ON	OFF	OFF	OFF
	Address 75	OFF	ON	OFF	ON	ON	ON	OFF	ON	OFF	OFF	ON	OFF	OFF	OFF
	Address 76	OFF	ON	OFF	ON	OFF	OFF	ON	ON	OFF	OFF	ON	OFF	OFF	OFF
	Address 77	OFF	ON	OFF	ON	ON	OFF	ON	ON	OFF	OFF	ON	OFF	OFF	OFF
	Address 78	OFF	ON	OFF	ON	OFF	ON	ON	ON	OFF	OFF	ON	OFF	OFF	
	Address 79	OFF	ON	OFF	ON	ON	ON	ON	ON	OFF	OFF	ON	OFF	OFF	OFF
	Address 80	OFF	ON	OFF	ON	OFF	OFF	OFF	OFF	ON	OFF	ON	OFF	OFF	OFF
	Address 81	OFF	ON	OFF	ON	ON	OFF	OFF	OFF	ON	OFF	ON	OFF	OFF	OFF
	Address 82	OFF	ON	OFF	ON	OFF	ON	OFF	OFF	ON	OFF	ON	OFF	OFF	OFF
	Address 83	OFF	ON	OFF	ON	ON	ON	OFF	OFF	ON	OFF	ON	OFF	OFF	OFF
	Address 84	OFF	ON	OFF	ON	OFF	OFF	ON	OFF	ON	OFF	ON	OFF	OFF	OFF
	Address 85	OFF	ON	OFF	ON	ON	OFF	ON	OFF	ON	OFF	ON	OFF	OFF	OFF
	Address 86	OFF	ON	OFF	ON	OFF	ON	ON	OFF	ON	OFF	ON	OFF	OFF	OFF
	Address 87	OFF	ON	OFF	ON	ON	ON	ON	OFF	ON	OFF	ON	OFF	OFF	OFF
	Address 88	OFF	ON	OFF	ON	OFF	OFF	OFF	ON	ON	OFF	ON	OFF	OFF	OFF
	Address 89	OFF	ON	OFF	ON	ON	OFF	OFF	ON	ON	OFF	ON	OFF	OFF	OFF
	Address 90	OFF	ON	OFF	ON	OFF	ON	OFF	ON	ON	OFF	ON	OFF	OFF	OFF
	Address 91	OFF	ON	OFF	ON	ON	ON	OFF	ON	ON	OFF	ON	OFF	OFF	OFF
	Address 92	OFF	ON	OFF	ON	OFF	OFF	ON	ON	ON	OFF	ON	OFF	OFF	OFF





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Address 93	OFF	ON	OFF	ON	ON	OFF	ON	ON	ON	OFF	ON	OFF	OFF	OFF
Address 94	OFF	ON	OFF	ON	OFF	ON	ON	ON	ON	OFF	ON	OFF	OFF	OFF
Address 95	OFF	ON	OFF	ON	ON	ON	ON	ON	ON	OFF	ON	OFF	OFF	OFF
Address 96	OFF	ON	OFF	ON	OFF	OFF	OFF	OFF	OFF	ON	ON	OFF	OFF	OFF
Address 97	OFF	ON	OFF	ON	ON	OFF	OFF	OFF	OFF	ON	ON	OFF	OFF	OFF
Address 98	OFF	ON	OFF	ON	OFF	ON	OFF	OFF	OFF	ON	ON	OFF	OFF	OFF
Address 99	OFF	ON	OFF	ON	ON	ON	OFF	OFF	OFF	ON	ON	OFF	OFF	OFF
Address 100	OFF	ON	OFF	ON	OFF	OFF	ON	OFF	OFF	ON	ON	OFF	OFF	OFF
Address 101	OFF	ON	OFF	ON	ON	OFF	ON	OFF	OFF	ON	ON	OFF	OFF	OFF
Address 102	OFF	ON	OFF	ON	OFF	ON	ON	OFF	OFF	ON	ON	OFF	OFF	OFF
Address 103	OFF	ON	OFF	ON	ON	ON	ON	OFF	OFF	ON	ON	OFF	OFF	OFF
Address 104	OFF	ON	OFF	ON	OFF	OFF	OFF	ON	OFF	ON	ON	OFF	OFF	OFF
Address 105	OFF	ON	OFF	ON	ON	OFF	OFF	ON	OFF	ON	ON	OFF	OFF	OFF
Address 106	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	ON	OFF	OFF	OFF
Address 107	OFF	ON	OFF	ON	ON	ON	OFF	ON	OFF	ON	ON	OFF	OFF	OFF
Address 108	OFF	ON	OFF	ON	OFF	OFF	ON	ON	OFF	ON	ON	OFF	OFF	OFF
Address 109	OFF	ON	OFF	ON	ON	OFF	ON	ON	OFF	ON	ON	OFF	OFF	OFF
Address 110	OFF	ON	OFF	ON	OFF	ON	ON	ON	OFF	ON	ON	OFF	OFF	OFF
Address 111	OFF	ON	OFF	ON	ON	ON	ON	ON	OFF	ON	ON	OFF	OFF	OFF
Address 112	OFF	ON	OFF	ON	OFF	OFF	OFF	OFF	ON	ON	ON	OFF	OFF	OFF
Address 113	OFF	ON	OFF	ON	ON	OFF	OFF	OFF	ON	ON	ON	OFF	OFF	OFF
Address 114	OFF	ON	OFF	ON	OFF	ON	OFF	OFF	ON	ON	ON	OFF	OFF	OFF
Address 115	OFF	ON	OFF	ON	ON	ON	OFF	OFF	ON	ON	ON	OFF	OFF	OFF
Address 116	OFF	ON	OFF	ON	OFF	OFF	ON	OFF	ON	ON	ON	OFF	OFF	OFF
Address 117	OFF	ON	OFF	ON	ON	OFF	ON	OFF	ON	ON	ON	OFF	OFF	OFF
Address 118	OFF	ON	OFF	ON	OFF	ON	ON	OFF	ON	ON	ON	OFF	OFF	OFF
Address 119	OFF	ON	OFF	ON	ON	ON	ON	OFF	ON	ON	ON	OFF	OFF	OFF
Address 120	OFF	ON	OFF	ON	OFF	OFF	OFF	ON	ON	ON	ON	OFF	OFF	OFF
Address 121	OFF	ON	OFF	ON	ON	OFF	OFF	ON	ON	ON	ON	OFF	OFF	OFF
Address 122	OFF	ON	OFF	ON	OFF	ON	OFF	ON	ON	ON	ON	OFF	OFF	OFF
Address 123	OFF	ON	OFF	ON	ON	ON	OFF	ON	ON	ON	ON	OFF	OFF	OFF
Address 124	OFF	ON	OFF	ON	OFF	OFF	ON	ON	ON	ON	ON	OFF	OFF	OFF
Address 125	OFF	ON	OFF	ON	ON	OFF	ON	ON	ON	ON	ON	OFF	OFF	OFF
Address 126	OFF	ON	OFF	ON	OFF	ON	ON	ON	ON	ON	ON	OFF	OFF	OFF
Address 127	OFF	ON	OFF	ON	ON	ON	ON	ON	ON	ON	ON	OFF	OFF	OFF
Address 128	OFF	ON	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	OFF
Address 129	OFF	ON	OFF	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	OFF
Address 130	OFF	ON	OFF	ON	OFF	ON	OFF	OFF	OFF	OFF	OFF	ON	OFF	OFF
Address 131	OFF	ON	OFF	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	ON	OFF	OFF
Address 132	OFF	ON	OFF	ON	OFF	OFF	ON	OFF	OFF	OFF	OFF	ON	OFF	OFF
Address 133	OFF	ON	OFF	ON	ON	OFF	ON	OFF	OFF	OFF	OFF	ON	OFF	OFF
Address 134	OFF	ON	OFF	ON	OFF	ON	ON	OFF	OFF	OFF	OFF	ON	OFF	OFF
Address 135	OFF	ON	OFF	ON	ON	ON	ON	OFF	OFF	OFF	OFF	ON	OFF	OFF
Address 136	OFF	ON	OFF	ON	OFF	OFF	OFF	ON	OFF	OFF	OFF	ON	OFF	OFF
Address 137	OFF	ON	OFF	ON	ON	OFF	OFF	ON	OFF	OFF	OFF	ON	OFF	OFF
Address 138	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	OFF	OFF	ON	OFF	OFF
Address 139	OFF	ON	OFF	ON	ON	ON	OFF	ON	OFF	OFF	OFF	ON	OFF	OFF
Address 140	OFF	ON	OFF	ON	OFF	OFF	ON	ON	OFF	OFF	OFF	ON	OFF	





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	Address 141	OFF	ON	OFF	ON	ON	OFF	ON	ON	OFF	OFF		ON	OFF	
	Address 142	OFF	ON	OFF	ON	OFF	ON	ON	ON	OFF	OFF	OFF	ON	OFF	OFF
	Address 143	OFF	ON	OFF	ON	ON	ON	ON	ON	OFF	OFF	OFF	ON	OFF	OFF
	Address 144	OFF	ON	OFF	ON	OFF	OFF	OFF	OFF	ON	OFF	OFF	ON	OFF	OFF
	Address 145	OFF	ON	OFF	ON	ON	OFF	OFF	OFF	ON	OFF	OFF	ON	OFF	OFF
	Address 146	OFF	ON	OFF	ON	OFF	ON	OFF	OFF	ON	OFF	OFF	ON	OFF	OFF
	Address 147	OFF	ON	OFF	ON	ON	ON	OFF	OFF	ON	OFF	OFF	ON	OFF	OFF
	Address 148	OFF	ON	OFF	ON	OFF	OFF	ON	OFF	ON	OFF	OFF	ON	OFF	OFF
	Address 149	OFF	ON	OFF	ON	ON	OFF	ON	OFF	ON	OFF	OFF	ON	OFF	OFF
	Address 150	OFF	ON	OFF	ON	OFF	ON	ON	OFF	ON	OFF	OFF	ON	OFF	OFF
	Address 151	OFF	ON	OFF	ON	ON	ON	ON	OFF	ON	OFF	OFF	ON	OFF	OFF
	Address 152	OFF	ON	OFF	ON	OFF	OFF	OFF	ON	ON	OFF	OFF	ON	OFF	OFF
	Address 153	OFF	ON	OFF	ON	ON	OFF	OFF	ON	ON	OFF	OFF	ON	OFF	OFF
	Address 154	OFF	ON	OFF	ON	OFF	ON	OFF	ON	ON	OFF	OFF	ON	OFF	OFF
	Address 155	OFF	ON	OFF	ON	ON	ON	OFF	ON	ON	OFF	OFF	ON	OFF	OFF
	Address 156	OFF	ON	OFF	ON	OFF	OFF	ON	ON	ON	OFF	OFF	ON	OFF	OFF
	Address 157	OFF	ON	OFF	ON	ON	OFF	ON	ON	ON	OFF	OFF	ON	OFF	OFF
	Address 158	OFF	ON	OFF	ON	OFF	ON	ON	ON	ON	OFF	OFF	ON	OFF	OFF
	Address 159	OFF	ON	OFF	ON	ON	ON	ON	ON	ON	OFF	OFF	ON	OFF	OFF
	Address 160	OFF	ON	OFF	ON	OFF	OFF	OFF	OFF	OFF	ON	OFF	ON	OFF	OFF
	Address 161	OFF	ON	OFF	ON	ON	OFF	OFF	OFF	OFF	ON	OFF	ON	OFF	OFF
	Address 162	OFF	ON	OFF	ON	OFF	ON	OFF	OFF	OFF	ON	OFF	ON	OFF	OFF
	Address 163	OFF	ON	OFF	ON	ON	ON	OFF	OFF	OFF	ON	OFF	ON	OFF	OFF
	Address 164	OFF	ON	OFF	ON	OFF	OFF	ON	OFF	OFF	ON	OFF	ON	OFF	OFF
	Address 165	OFF	ON	OFF	ON	ON	OFF	ON	OFF	OFF	ON	OFF	ON	OFF	OFF
	Address 166	OFF	ON	OFF	ON	OFF	ON	ON	OFF	OFF	ON	OFF	ON	OFF	OFF
	Address 167	OFF	ON	OFF	ON	ON	ON	ON	OFF	OFF	ON	OFF	ON	OFF	OFF
	Address 168	OFF	ON	OFF	ON	OFF	OFF	OFF	ON	OFF	ON	OFF	ON	OFF	OFF
	Address 169	OFF	ON	OFF	ON	ON	OFF	OFF	ON	OFF	ON	OFF	ON	OFF	OFF
	Address 170	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	OFF
	Address 171	OFF	ON	OFF	ON	ON	ON	OFF	ON	OFF	ON	OFF	ON	OFF	OFF
	Address 172	OFF	ON	OFF	ON	OFF		ON	ON	OFF	ON	OFF	ON	OFF	
	Address 173	OFF	ON	OFF	ON	OFF	OFF	ON	ON	OFF	ON	OFF	ON	OFF	OFF
	Address 173 Address 174		ON				ON	ON	ON	OFF	ON				OFF
		OFF		OFF	ON	OFF						OFF	ON	OFF	
	Address 175	OFF	ON	OFF	ON	ON	ON	ON	ON	OFF	ON	OFF	ON	OFF	OFF
	Address 176	OFF	ON	OFF	ON	OFF	OFF	OFF	OFF	ON	ON	OFF	ON	OFF	OFF
	Address 177	OFF	ON	OFF	ON	ON	OFF	OFF	OFF	ON	ON	OFF	ON	OFF	OFF
	Address 178	OFF	ON	OFF	ON	OFF	ON	OFF	OFF	ON	ON	OFF	ON	OFF	OFF
	Address 179	OFF	ON	OFF	ON	ON	ON	OFF	OFF	ON	ON	OFF	ON	OFF	OFF
	Address 180	OFF	ON	OFF	ON	OFF	OFF	ON	OFF	ON	ON	OFF	ON	OFF	OFF
	Address 181	OFF	ON	OFF	ON	ON	OFF	ON	OFF	ON	ON	OFF	ON	OFF	OFF
	Address 182	OFF	ON	OFF	ON	OFF	ON	ON	OFF	ON	ON	OFF	ON	OFF	OFF
	Address 183	OFF	ON	OFF	ON	ON	ON	ON	OFF	ON	ON	OFF	ON	OFF	OFF
	Address 184	OFF	ON	OFF	ON	OFF	OFF	OFF	ON	ON	ON	OFF	ON	OFF	OFF
	Address 185	OFF	ON	OFF	ON	ON	OFF	OFF	ON	ON	ON	OFF	ON	OFF	OFF
	Address 186	OFF	ON	OFF	ON	OFF	ON	OFF	ON	ON	ON	OFF	ON	OFF	OFF
	Address 187	OFF	ON	OFF	ON	ON	ON	OFF	ON	ON	ON	OFF	ON	OFF	OFF
	Address 188	OFF	ON	OFF	ON	OFF	OFF	ON	ON	ON	ON	OFF	ON	OFF	OFF





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Address 189	OFF	ON	OFF	ON	ON	OFF	ON	ON	ON	ON	OFF	ON	OFF	
Address 190	OFF	ON	OFF	ON	OFF	ON	ON	ON	ON	ON	OFF	ON	OFF	OFF
Address 191	OFF	ON	OFF	ON	ON	ON	ON	ON	ON	ON	OFF	ON	OFF	OFF
Address 192	OFF	ON	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	OFF	OFF
Address 193	OFF	ON	OFF	ON	ON	OFF	OFF	OFF	OFF	OFF	ON	ON	OFF	OFF
Address 194	OFF	ON	OFF	ON	OFF	ON	OFF	OFF	OFF	OFF	ON	ON	OFF	OFF
Address 195	OFF	ON	OFF	ON	ON	ON	OFF	OFF	OFF	OFF	ON	ON	OFF	OFF
Address 196	OFF	ON	OFF	ON	OFF	OFF	ON	OFF	OFF	OFF	ON	ON	OFF	OFF
Address 197	OFF	ON	OFF	ON	ON	OFF	ON	OFF	OFF	OFF	ON	ON	OFF	OFF
Address 198	OFF	ON	OFF	ON	OFF	ON	ON	OFF	OFF	OFF	ON	ON	OFF	OFF
Address 199	OFF	ON	OFF	ON	ON	ON	ON	OFF	OFF	OFF	ON	ON	OFF	OFF
Address 200	OFF	ON	OFF	ON	OFF	OFF	OFF	ON	OFF	OFF	ON	ON	OFF	OFF
Address 201	OFF	ON	OFF	ON	ON	OFF	OFF	ON	OFF	OFF	ON	ON	OFF	OFF
Address 202	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	OFF	ON	ON	OFF	OFF
Address 203	OFF	ON	OFF	ON	ON	ON	OFF	ON	OFF	OFF	ON	ON	OFF	OFF
Address 204	OFF	ON	OFF	ON	OFF	OFF	ON	ON	OFF	OFF	ON	ON	OFF	OFF
Address 205	OFF	ON	OFF	ON	ON	OFF	ON	ON	OFF	OFF	ON	ON	OFF	OFF
Address 206	OFF	ON	OFF	ON	OFF	ON	ON	ON	OFF	OFF	ON	ON	OFF	OFF
Address 207	OFF	ON	OFF	ON	ON	ON	ON	ON	OFF	OFF	ON	ON	OFF	OFF
Address 208	OFF	ON	OFF	ON	OFF	OFF	OFF	OFF	ON	OFF	ON	ON	OFF	OFF
Address 209	OFF	ON	OFF	ON	ON	OFF	OFF	OFF	ON	OFF	ON	ON	OFF	OFF
Address 210	OFF	ON	OFF	ON	OFF	ON	OFF	OFF	ON	OFF	ON	ON	OFF	OFF
Address 211	OFF	ON	OFF	ON	ON	ON	OFF	OFF	ON	OFF	ON	ON	OFF	OFF
Address 212	OFF	ON	OFF	ON	OFF	OFF	ON	OFF	ON	OFF	ON	ON	OFF	OFF
Address 213	OFF	ON	OFF	ON	ON	OFF	ON	OFF	ON	OFF	ON	ON	OFF	OFF
Address 214	OFF	ON	OFF	ON	OFF	ON	ON	OFF	ON	OFF	ON	ON	OFF	OFF
Address 215	OFF	ON	OFF	ON	ON	ON	ON	OFF	ON	OFF	ON	ON	OFF	OFF
Address 216	OFF	ON	OFF	ON	OFF	OFF	OFF	ON	ON	OFF	ON	ON	OFF	OFF
Address 217	OFF	ON	OFF	ON	ON	OFF	OFF	ON	ON	OFF	ON	ON	OFF	OFF
Address 218	OFF	ON	OFF	ON	OFF	ON	OFF	ON	ON	OFF	ON	ON	OFF	OFF
Address 219	OFF	ON	OFF	ON	ON	ON	OFF	ON	ON	OFF	ON	ON	OFF	OFF
Address 220	OFF	ON	OFF	ON	OFF	OFF	ON	ON	ON	OFF	ON	ON	OFF	OFF
Address 221	OFF	ON	OFF	ON	ON	OFF	ON	ON	ON	OFF	ON	ON	OFF	OFF
Address 222	OFF	ON	OFF	ON	OFF	ON	ON	ON	ON	OFF	ON	ON	OFF	OFF
Address 223	OFF	ON	OFF	ON	ON	ON	ON	ON	ON	OFF	ON	ON	OFF	OFF
Address 224	OFF	ON	OFF	ON	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	OFF	OFF
Address 225	OFF	ON	OFF	ON	ON	OFF	OFF	OFF	OFF	ON	ON	ON	OFF	OFF
Address 226	OFF	ON	OFF	ON	OFF	ON	OFF	OFF	OFF	ON	ON	ON	OFF	OFF
Address 227	OFF	ON	OFF	ON	ON	ON	OFF	OFF	OFF	ON	ON	ON	OFF	OFF
Address 228	OFF	ON	OFF	ON	OFF	OFF	ON	OFF	OFF	ON	ON	ON	OFF	
Address 229	OFF	ON	OFF	ON	ON	OFF	ON	OFF	OFF	ON	ON	ON	OFF	OFF
Address 230	OFF	ON	OFF	ON	OFF	ON	ON	OFF	OFF	ON	ON	ON	OFF	
Address 231	OFF	ON	OFF	ON	ON	ON	ON	OFF	OFF	ON	ON	ON	OFF	OFF
Address 232	OFF	ON	OFF	ON	OFF	OFF	OFF	ON	OFF	ON	ON	ON	OFF	
Address 233	OFF	ON	OFF	ON	ON	OFF	OFF	ON	OFF	ON	ON	ON	OFF	OFF
Address 234	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	ON	ON	OFF	
Address 235	OFF	ON	OFF	ON	ON	ON	OFF	ON	OFF	ON	ON	ON	OFF	OFF
Address 236	OFF	ON	OFF	ON	OFF	OFF	ON	ON	OFF	ON	ON	ON	OFF	
, Idai 000 200	"	3.4	J. 1	J. V	]	J. 1	3.1	J. V	J. 1	3.4	3.4	3.4	-	J. 1





I	Address 237	OFF	ON	OFF	ON	ON	OFF	ON	ON	OFF	ON	ON	ON	OFF	OFF
	Address 238	OFF	ON	OFF	ON	OFF	ON	ON	ON	OFF	ON	ON	ON	OFF	OFF
	Address 239	OFF	ON	OFF	ON	ON	ON	ON	ON	OFF	ON	ON	ON	OFF	OFF
	Address 240	OFF	ON	OFF	ON	OFF	OFF	OFF	OFF	ON	ON	ON	ON	OFF	OFF
	Address 241	OFF	ON		ON					ON					OFF
				OFF		ON	OFF	OFF	OFF		ON	ON	ON	OFF	
	Address 242	OFF	ON	OFF	ON	OFF	ON	OFF	OFF	ON	ON	ON	ON	OFF	OFF
	Address 243	OFF	ON	OFF	ON	ON	ON	OFF	OFF	ON	ON	ON	ON	OFF	OFF
	Address 244	OFF	ON	OFF	ON	OFF	OFF	ON	OFF	ON	ON	ON	ON	OFF	OFF
	Address 245	OFF	ON	OFF	ON	ON	OFF	ON	OFF	ON	ON	ON	ON	OFF	OFF
	Address 246	OFF	ON	OFF	ON	OFF	ON	ON	OFF	ON	ON	ON	ON	OFF	
	Address 247	OFF	ON	OFF	ON	ON	ON	ON	OFF	ON	ON	ON	ON	OFF	OFF
	Address 248	OFF	ON	OFF	ON	OFF	OFF	OFF	ON	ON	ON	ON	ON	OFF	OFF
	Address 249	OFF	ON	OFF	ON	ON	OFF	OFF	ON	ON	ON	ON	ON	OFF	OFF
	Address 250	OFF	ON	OFF	ON	OFF	ON	OFF	ON	ON	ON	ON	ON	OFF	OFF
	Address 251	OFF	ON	OFF	ON	ON	ON	OFF	ON	ON	ON	ON	ON	OFF	OFF
	Address 252	OFF	ON	OFF	ON	OFF	OFF	ON	ON	ON	ON	ON	ON	OFF	OFF
	Address 253	OFF	ON	OFF	ON	ON	OFF	ON	ON	ON	ON	ON	ON	OFF	OFF
	Address 254	OFF	ON	OFF	ON	OFF	ON	ON	ON	ON	ON	ON	ON	OFF	OFF
	Address 255	OFF	ON	OFF	ON	ON	ON	ON	ON	ON	ON	ON	ON	OFF	OFF
	Address 256	OFF	ON	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF
	Address 257	OFF	ON	OFF	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF
	Address 258	OFF	ON	OFF	ON	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF
	Address 259	OFF	ON	OFF	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF
	Address 260	OFF	ON	OFF	ON	OFF	OFF	ON	OFF	OFF	OFF	OFF	OFF	ON	OFF
	Address 261	OFF	ON	OFF	ON	ON	OFF	ON	OFF	OFF	OFF	OFF	OFF	ON	OFF
	Address 262	OFF	ON	OFF	ON	OFF	ON	ON	OFF	OFF	OFF	OFF	OFF	ON	OFF
	Address 263	OFF	ON	OFF	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	ON	OFF
	Address 264	OFF	ON	OFF	ON	OFF	OFF	OFF	ON	OFF	OFF	OFF	OFF	ON	OFF
	Address 265	OFF	ON	OFF	ON	ON	OFF	OFF	ON	OFF	OFF	OFF	OFF	ON	OFF
	Address 266	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	OFF	OFF	OFF	ON	OFF
	Address 267	OFF	ON	OFF	ON	ON	ON	OFF	ON	OFF	OFF	OFF	OFF	ON	OFF
	Address 268	OFF	ON	OFF	ON	OFF	OFF	ON	ON	OFF	OFF	OFF	OFF	ON	OFF
	Address 269	OFF	ON	OFF	ON	ON	OFF	ON	ON	OFF	OFF	OFF	OFF	ON	OFF
	Address 270	OFF	ON	OFF	ON	OFF	ON	ON	ON	OFF	OFF	OFF	OFF	ON	OFF
	Address 271	OFF	ON	OFF	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	ON	OFF
	Address 272	OFF	ON	OFF	ON	OFF	OFF	OFF	OFF	ON	OFF	OFF	OFF	ON	OFF
	Address 273	OFF	ON	OFF	ON	ON	OFF	OFF	OFF	ON	OFF	OFF	OFF	ON	OFF
	Address 274	OFF	ON	OFF	ON	OFF	ON	OFF	OFF	ON	OFF	OFF	OFF	ON	OFF
	Address 275	OFF	ON	OFF	ON	ON	ON	OFF	OFF	ON	OFF	OFF	OFF	ON	OFF
	Address 276	OFF	ON	OFF	ON	OFF	OFF	ON	OFF	ON	OFF	OFF	OFF	ON	OFF
	Address 277	OFF	ON	OFF	ON	ON	OFF	ON	OFF	ON	OFF	OFF	OFF	ON	OFF
	Address 278	OFF	ON	OFF	ON	OFF	ON	ON	OFF	ON	OFF	OFF	OFF	ON	OFF
	Address 279	OFF	ON	OFF	ON	ON	ON	ON	OFF	ON	OFF	OFF	OFF	ON	OFF
	Address 280	OFF	ON	OFF	ON	OFF	OFF	OFF	ON	ON	OFF	OFF	OFF	ON	OFF
	Address 281	OFF	ON	OFF	ON	ON	OFF	OFF	ON	ON	OFF	OFF	OFF	ON	OFF
	Address 282	OFF	ON	OFF	ON	OFF	ON	OFF	ON	ON	OFF	OFF	OFF	ON	OFF
	Address 283	OFF	ON	OFF	ON	ON	ON	OFF	ON	ON	OFF	OFF	OFF	ON	OFF
	Address 284	OFF	ON	OFF	ON	OFF	OFF	ON	ON	ON	OFF	OFF	OFF	ON	OFF
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Address 285	OFF	ON	OFF	ON	ON	OFF	ON	ON	ON	OFF	OFF	OFF	ON	OFF
Address 286	OFF	ON	OFF	ON	OFF	ON	ON	ON	ON	OFF	OFF	OFF	ON	OFF
Address 287	OFF	ON	OFF	ON	ON	ON	ON	ON	ON	OFF	OFF	OFF	ON	OFF
Address 288	OFF	ON	OFF	ON	OFF	OFF	OFF	OFF	OFF	ON	OFF	OFF	ON	OFF
Address 289	OFF	ON	OFF	ON	ON	OFF	OFF	OFF	OFF	ON	OFF	OFF	ON	OFF
Address 290	OFF	ON	OFF	ON	OFF	ON	OFF	OFF	OFF	ON	OFF	OFF	ON	OFF
Address 291	OFF	ON	OFF	ON	ON	ON	OFF	OFF	OFF	ON	OFF	OFF	ON	OFF
Address 292	OFF	ON	OFF	ON	OFF	OFF	ON	OFF	OFF	ON	OFF	OFF	ON	OFF
Address 293	OFF	ON	OFF	ON	ON	OFF	ON	OFF	OFF	ON	OFF	OFF	ON	OFF
Address 294	OFF	ON	OFF	ON	OFF	ON	ON	OFF	OFF	ON	OFF	OFF	ON	OFF
Address 295	OFF	ON	OFF	ON	ON	ON	ON	OFF	OFF	ON	OFF	OFF	ON	OFF
Address 296	OFF	ON	OFF	ON	OFF	OFF	OFF	ON	OFF	ON	OFF	OFF	ON	OFF
Address 297	OFF	ON	OFF	ON	ON	OFF	OFF	ON	OFF	ON	OFF	OFF	ON	OFF
Address 298	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	OFF	ON	OFF
Address 299	OFF	ON	OFF	ON	ON	ON	OFF	ON	OFF	ON	OFF	OFF	ON	OFF
Address 300	OFF	ON	OFF	ON	OFF	OFF	ON	ON	OFF	ON	OFF	OFF	ON	OFF
Address 301	OFF	ON	OFF	ON	ON	OFF	ON	ON	OFF	ON	OFF	OFF	ON	OFF
Address 302	OFF	ON	OFF	ON	OFF	ON	ON	ON	OFF	ON	OFF	OFF	ON	OFF
Address 303	OFF	ON	OFF	ON	ON	ON	ON	ON	OFF	ON	OFF	OFF	ON	OFF
Address 304	OFF	ON	OFF	ON	OFF	OFF	OFF	OFF	ON	ON	OFF	OFF	ON	OFF
Address 305	OFF	ON	OFF	ON	ON	OFF	OFF	OFF	ON	ON	OFF	OFF	ON	OFF
Address 306	OFF	ON	OFF	ON	OFF	ON	OFF	OFF	ON	ON	OFF	OFF	ON	OFF
Address 307	OFF	ON	OFF	ON	ON	ON	OFF	OFF	ON	ON	OFF	OFF	ON	OFF
Address 308	OFF	ON	OFF	ON	OFF	OFF	ON	OFF	ON	ON	OFF	OFF	ON	OFF
Address 309	OFF	ON	OFF	ON	ON	OFF	ON	OFF	ON	ON	OFF	OFF	ON	OFF
Address 310	OFF	ON	OFF	ON	OFF	ON	ON	OFF	ON	ON	OFF	OFF	ON	OFF
Address 311	OFF	ON	OFF	ON	ON	ON	ON	OFF	ON	ON	OFF	OFF	ON	OFF
Address 312	OFF	ON	OFF	ON	OFF	OFF	OFF	ON	ON	ON	OFF	OFF	ON	OFF
Address 313	OFF	ON	OFF	ON	ON	OFF	OFF	ON	ON	ON	OFF	OFF	ON	OFF
Address 314	OFF	ON	OFF	ON	OFF	ON	OFF	ON	ON	ON	OFF	OFF	ON	OFF
Address 315	OFF	ON	OFF	ON	ON	ON	OFF	ON	ON	ON	OFF	OFF	ON	OFF
Address 316	OFF	ON	OFF	ON	OFF	OFF	ON	ON	ON	ON	OFF	OFF	ON	OFF
Address 317	OFF	ON	OFF	ON	ON	OFF	ON	ON	ON	ON	OFF	OFF	ON	OFF
Address 318	OFF	ON	OFF	ON	OFF	ON	ON	ON	ON	ON	OFF	OFF	ON	OFF
Address 319	OFF	ON	OFF	ON	ON	ON	ON	ON	ON	ON	OFF	OFF	ON	OFF
Address 320	OFF	ON	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	ON	OFF
Address 321	OFF	ON	OFF	ON	ON	OFF	OFF	OFF	OFF	OFF	ON	OFF	ON	OFF
Address 322	OFF	ON	OFF	ON	OFF	ON	OFF	OFF	OFF	OFF	ON	OFF	ON	OFF
Address 323	OFF	ON	OFF	ON	ON	ON	OFF	OFF	OFF	OFF	ON	OFF	ON	OFF
Address 324	OFF	ON	OFF	ON	OFF	OFF	ON	OFF	OFF	OFF	ON	OFF	ON	OFF
Address 325	OFF	ON	OFF	ON	ON	OFF	ON	OFF	OFF	OFF	ON	OFF	ON	OFF
Address 326	OFF	ON	OFF	ON	OFF	ON	ON	OFF	OFF	OFF	ON	OFF	ON	OFF
Address 327	OFF	ON	OFF	ON	ON	ON	ON	OFF	OFF	OFF	ON	OFF	ON	OFF
Address 328	OFF	ON	OFF	ON	OFF	OFF	OFF	ON	OFF	OFF	ON	OFF	ON	OFF
Address 329	OFF	ON	OFF	ON	ON	OFF	OFF	ON	OFF	OFF	ON	OFF	ON	OFF
Address 330	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	OFF	ON	OFF	ON	OFF
Address 331	OFF	ON	OFF	ON	ON	ON	OFF	ON	OFF	OFF	ON	OFF	ON	OFF
Address 332	OFF	ON	OFF	ON	OFF	OFF	ON	ON	OFF	OFF	ON	OFF	ON	OFF
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Address 222	OFF	ON	OFF	ON	ON	OFF	ON	ON	OFF	OFF	ON	OFF	ON	OFF
Address 333		ON		ON	ON		ON	ON			ON		ON	
Address 334	OFF	ON	OFF	ON	OFF	ON	ON	ON	OFF	OFF	ON	OFF	ON	OFF
Address 335	OFF	ON	OFF	ON	ON	ON	ON	ON	OFF	OFF	ON	OFF	ON	OFF
Address 336	OFF	ON	OFF	ON	OFF	OFF	OFF	OFF	ON	OFF	ON	OFF	ON	OFF
Address 337	OFF	ON	OFF	ON	ON	OFF	OFF	OFF	ON	OFF	ON	OFF	ON	OFF
Address 338	OFF	ON	OFF	ON	OFF	ON	OFF	OFF	ON	OFF	ON	OFF	ON	OFF
Address 339	OFF	ON	OFF	ON	ON	ON	OFF	OFF	ON	OFF	ON	OFF	ON	OFF
Address 340	OFF	ON	OFF	ON	OFF	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF
Address 341	OFF	ON	OFF	ON	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF
Address 342	OFF	ON	OFF	ON	OFF	ON	ON	OFF	ON	OFF	ON	OFF	ON	OFF
Address 343	OFF	ON	OFF	ON	ON	ON	ON	OFF	ON	OFF	ON	OFF	ON	OFF
Address 344	OFF	ON	OFF	ON	OFF	OFF	OFF	ON	ON	OFF	ON	OFF	ON	OFF
Address 345	OFF	ON	OFF	ON	ON	OFF	OFF	ON	ON	OFF	ON	OFF	ON	OFF
Address 346	OFF	ON	OFF	ON	OFF	ON	OFF	ON	ON	OFF	ON	OFF	ON	OFF
Address 347	OFF	ON	OFF	ON	ON	ON	OFF	ON	ON	OFF	ON	OFF	ON	OFF
Address 348	OFF	ON	OFF	ON	OFF	OFF	ON	ON	ON	OFF	ON	OFF	ON	OFF
Address 349	OFF	ON	OFF	ON	ON	OFF	ON	ON	ON	OFF	ON	OFF	ON	OFF
Address 350	OFF	ON	OFF	ON	OFF	ON	ON	ON	ON	OFF	ON	OFF	ON	OFF
Address 351	OFF	ON	OFF	ON	ON	ON	ON	ON	ON	OFF	ON	OFF	ON	OFF
Address 352	OFF	ON	OFF	ON	OFF	OFF	OFF	OFF	OFF	ON	ON	OFF	ON	OFF
Address 353	OFF	ON	OFF	ON	ON	OFF	OFF	OFF	OFF	ON	ON	OFF	ON	OFF
Address 354	OFF	ON	OFF	ON	OFF	ON	OFF	OFF	OFF	ON	ON	OFF	ON	OFF
Address 355	OFF	ON	OFF	ON	ON	ON	OFF	OFF	OFF	ON	ON	OFF	ON	OFF
Address 356	OFF	ON	OFF	ON	OFF	OFF	ON	OFF	OFF	ON	ON	OFF	ON	OFF
Address 357	OFF	ON	OFF	ON	ON	OFF	ON	OFF	OFF	ON	ON	OFF	ON	OFF
Address 358	OFF	ON	OFF	ON	OFF	ON	ON	OFF	OFF	ON	ON	OFF	ON	OFF
Address 359	OFF	ON	OFF	ON	ON	ON	ON	OFF	OFF	ON	ON	OFF	ON	OFF
Address 360	OFF	ON	OFF	ON	OFF	OFF	OFF	ON	OFF	ON	ON	OFF	ON	OFF
Address 361	OFF	ON	OFF	ON	ON	OFF	OFF	ON	OFF	ON	ON	OFF	ON	OFF
Address 362	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	ON	OFF	ON	OFF
Address 363	OFF	ON	OFF	ON	ON	ON	OFF	ON	OFF	ON	ON	OFF	ON	OFF
Address 364	OFF	ON	OFF	ON	OFF	OFF	ON	ON	OFF	ON	ON	OFF	ON	OFF
Address 365	OFF	ON	OFF	ON	ON	OFF	ON	ON	OFF	ON	ON	OFF	ON	OFF
Address 366	OFF	ON	OFF	ON	OFF	ON	ON	ON	OFF	ON	ON	OFF	ON	OFF
Address 367	OFF	ON	OFF	ON	ON	ON	ON	ON	OFF	ON	ON	OFF	ON	OFF
Address 368	OFF	ON	OFF	ON	OFF	OFF	OFF	OFF	ON	ON	ON	OFF	ON	OFF
Address 369	OFF	ON	OFF	ON	ON	OFF	OFF	OFF	ON	ON	ON	OFF	ON	OFF
Address 370	OFF	ON	OFF	ON	OFF	ON	OFF	OFF	ON	ON	ON	OFF	ON	OFF
Address 371	OFF	ON	OFF	ON	ON	ON	OFF	OFF	ON	ON	ON	OFF	ON	OFF
Address 372	OFF	ON	OFF	ON	OFF	OFF	ON	OFF	ON	ON	ON	OFF	ON	OFF
Address 372	OFF	ON	OFF	ON	ON	OFF	ON	OFF	ON	ON	ON	OFF	ON	OFF
Address 373	OFF	ON	OFF	ON	OFF	ON	ON	OFF	ON	ON	ON	OFF	ON	OFF
Address 375	OFF	ON	OFF	ON	ON	ON	ON	OFF	ON	ON	ON	OFF	ON	OFF
		ON						OFF	ON			OFF		
Address 376	OFF		OFF	ON	OFF	OFF				ON	ON		ON	OFF
Address 377	OFF	ON	OFF	ON	ON	OFF	OFF	ON	ON	ON	ON	OFF	ON	OFF
Address 378	OFF	ON	OFF	ON	OFF	ON	OFF	ON	ON	ON	ON	OFF	ON	OFF
Address 379	OFF	ON	OFF	ON	ON	ON	OFF	ON	ON	ON	ON	OFF	ON	OFF
Address 380	OFF	ON	OFF	ON	OFF	OFF	ON	ON	ON	ON	ON	OFF	ON	OFF





Address 381	OFF	ON	OFF	ON	ON	OFF	ON	ON	ON	ON	ON	OFF	ON	OFF
Address 382	OFF	ON	OFF	ON	OFF	ON	ON	ON	ON	ON	ON	OFF	ON	OFF
Address 383	OFF	ON	OFF	ON	ON	ON	ON	ON	ON	ON	ON	OFF	ON	OFF
Address 384	OFF	ON	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	OFF
Address 385	OFF	ON	OFF	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	OFF
Address 386	OFF	ON	OFF	ON	OFF	ON	OFF	OFF	OFF	OFF	OFF	ON	ON	OFF
Address 387	OFF	ON	OFF	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	ON	ON	OFF
Address 388	OFF	ON	OFF	ON	OFF	OFF	ON	OFF	OFF	OFF	OFF	ON	ON	OFF
Address 389	OFF	ON	OFF	ON	ON	OFF	ON	OFF	OFF	OFF	OFF	ON	ON	OFF
Address 390	OFF	ON	OFF	ON	OFF	ON	ON	OFF	OFF	OFF	OFF	ON	ON	OFF
Address 391	OFF	ON	OFF	ON	ON	ON	ON	OFF	OFF	OFF	OFF	ON	ON	OFF
Address 392	OFF	ON	OFF	ON	OFF	OFF	OFF	ON	OFF	OFF	OFF	ON	ON	OFF
Address 393	OFF	ON	OFF	ON	ON	OFF	OFF	ON	OFF	OFF	OFF	ON	ON	OFF
Address 394	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	OFF	OFF	ON	ON	OFF
Address 395	OFF	ON	OFF	ON	ON	ON	OFF	ON	OFF	OFF	OFF	ON	ON	OFF
Address 396	OFF	ON	OFF	ON	OFF	OFF	ON	ON	OFF	OFF	OFF	ON	ON	OFF
Address 397	OFF	ON	OFF	ON	ON	OFF	ON	ON	OFF	OFF	OFF	ON	ON	OFF
Address 398	OFF	ON	OFF	ON	OFF	ON	ON	ON	OFF	OFF	OFF	ON	ON	OFF
Address 399	OFF	ON	OFF	ON	ON	ON	ON	ON	OFF	OFF	OFF	ON	ON	OFF
Address 400	OFF	ON	OFF	ON	OFF	OFF	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
Address 401	OFF	ON	OFF	ON	ON	OFF	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
Address 402	OFF	ON	OFF	ON	OFF	ON	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
Address 403	OFF	ON	OFF	ON	ON	ON	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
Address 404	OFF	ON	OFF	ON	OFF	OFF	ON	OFF	ON	OFF	OFF	ON	ON	OFF
Address 405	OFF	ON	OFF	ON	ON	OFF	ON	OFF	ON	OFF	OFF	ON	ON	OFF
Address 406	OFF	ON	OFF	ON	OFF	ON	ON	OFF	ON	OFF	OFF	ON	ON	OFF
Address 407	OFF	ON	OFF	ON	ON	ON	ON	OFF	ON	OFF	OFF	ON	ON	OFF
Address 408	OFF	ON	OFF	ON	OFF	OFF	OFF	ON	ON	OFF	OFF	ON	ON	OFF
Address 409	OFF	ON	OFF	ON	ON	OFF	OFF	ON	ON	OFF	OFF	ON	ON	OFF
Address 410	OFF	ON	OFF	ON	OFF	ON	OFF	ON	ON	OFF	OFF	ON	ON	OFF
Address 411	OFF	ON	OFF	ON	ON	ON	OFF	ON	ON	OFF	OFF	ON	ON	OFF
Address 412	OFF	ON	OFF	ON	OFF	OFF	ON	ON	ON	OFF	OFF	ON	ON	OFF
Address 413	OFF	ON	OFF	ON	ON	OFF	ON	ON	ON	OFF	OFF	ON	ON	OFF
Address 414	OFF	ON	OFF	ON	OFF	ON	ON	ON	ON	OFF	OFF	ON	ON	OFF
Address 415	OFF	ON	OFF	ON	ON	ON	ON	ON	ON	OFF	OFF	ON	ON	OFF
Address 416	OFF	ON	OFF	ON	OFF	OFF	OFF	OFF	OFF	ON	OFF	ON	ON	OFF
Address 417	OFF	ON	OFF	ON	ON	OFF	OFF	OFF	OFF	ON	OFF	ON	ON	OFF
Address 418	OFF	ON	OFF	ON	OFF	ON	OFF	OFF	OFF	ON	OFF	ON	ON	OFF
Address 419	OFF	ON	OFF	ON	ON	ON	OFF	OFF	OFF	ON	OFF	ON	ON	OFF
Address 420	OFF	ON	OFF	ON	OFF	OFF	ON	OFF	OFF	ON	OFF	ON	ON	OFF
Address 421	OFF	ON	OFF	ON	ON	OFF	ON	OFF	OFF	ON	OFF	ON	ON	OFF
Address 422	OFF	ON	OFF	ON	OFF	ON	ON	OFF	OFF	ON	OFF	ON	ON	OFF
Address 423	OFF	ON	OFF	ON	ON	ON	ON	OFF	OFF	ON	OFF	ON	ON	OFF
Address 424	OFF	ON	OFF	ON	OFF	OFF	OFF	ON	OFF	ON	OFF	ON	ON	OFF
Address 425	OFF	ON	OFF	ON	ON	OFF	OFF	ON	OFF	ON	OFF	ON	ON	OFF
Address 426	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	ON	OFF
Address 427	OFF	ON	OFF	ON	ON	ON	OFF	ON	OFF	ON	OFF	ON	ON	OFF
Address 428	OFF	ON	OFF	ON	OFF	OFF	ON	ON	OFF	ON	OFF	ON	ON	OFF





Address	429	OFF	ON	OFF	ON	ON	OFF	ON	ON	OFF	ON	OFF	ON	ON	OFF
Address		OFF	ON	OFF	ON	OFF	ON	ON	ON	OFF	ON	OFF	ON	ON	OFF
Address		OFF	ON	OFF	ON	ON	ON	ON	ON	OFF	ON	OFF	ON	ON	OFF
Address		OFF	ON	OFF	ON	OFF	OFF	OFF	OFF	ON	ON	OFF	ON	ON	OFF
Address		OFF	ON	OFF	ON	ON	OFF	OFF	OFF	ON	ON	OFF	ON	ON	OFF
Address		OFF	ON	OFF	ON	OFF	ON	OFF	OFF	ON	ON	OFF	ON	ON	OFF
Address		OFF	ON	OFF	ON	ON	ON	OFF	OFF	ON	ON	OFF	ON	ON	OFF
Address		OFF	ON	OFF	ON	OFF	OFF	ON	OFF	ON	ON	OFF	ON	ON	OFF
Address		OFF	ON	OFF	ON	ON	OFF	ON	OFF	ON	ON	OFF	ON	ON	OFF
Address		OFF	ON	OFF	ON	OFF	OFF	ON	OFF	ON	ON	OFF	ON	ON	OFF
Address		OFF	ON	OFF		ON	ON	ON	OFF	ON	ON	OFF	ON		OFF
Address		OFF	ON		ON ON		OFF	OFF	ON	ON	ON	OFF		ON ON	
		- 1		OFF		OFF							ON		OFF
Address		OFF	ON	OFF	ON	ON	OFF	OFF	ON	ON	ON	OFF	ON	ON	OFF
Address		OFF	ON	OFF	ON	OFF	ON	OFF	ON	ON	ON	OFF	ON	ON	OFF
Address	-	OFF	ON	OFF	ON	ON	ON	OFF	ON	ON	ON	OFF	ON	ON	OFF
Address		OFF	ON	OFF	ON	OFF	OFF	ON	ON	ON	ON	OFF	ON	ON	OFF
Address		OFF	ON	OFF	ON	ON	OFF	ON	ON	ON	ON	OFF	ON	ON	OFF
Address		DFF	ON	OFF	ON	OFF	ON	ON	ON	ON	ON	OFF	ON	ON	OFF
Address	_	OFF	ON	OFF	ON	ON	ON	ON	ON	ON	ON	OFF	ON	ON	OFF
Address		DFF	ON	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	OFF
Address		OFF	ON	OFF	ON	ON	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	OFF
Address		DFF	ON	OFF	ON	OFF	ON	OFF	OFF	OFF	OFF	ON	ON	ON	OFF
Address		OFF	ON	OFF	ON	ON	ON	OFF	OFF	OFF	OFF	ON	ON	ON	OFF
Address	452 O	DFF	ON	OFF	ON	OFF	OFF	ON	OFF	OFF	OFF	ON	ON	ON	OFF
Address	453 O	OFF	ON	OFF	ON	ON	OFF	ON	OFF	OFF	OFF	ON	ON	ON	OFF
Address	454 O	OFF	ON	OFF	ON	OFF	ON	ON	OFF	OFF	OFF	ON	ON	ON	OFF
Address	455 O	OFF	ON	OFF	ON	ON	ON	ON	OFF	OFF	OFF	ON	ON	ON	OFF
Address	456 O	OFF	ON	OFF	ON	OFF	OFF	OFF	ON	OFF	OFF	ON	ON	ON	OFF
Address	457 O	DFF	ON	OFF	ON	ON	OFF	OFF	ON	OFF	OFF	ON	ON	ON	OFF
Address	458 C	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	OFF	ON	ON	ON	OFF
Address	459 C	OFF	ON	OFF	ON	ON	ON	OFF	ON	OFF	OFF	ON	ON	ON	OFF
Address		OFF	ON	OFF	ON	OFF	OFF	ON	ON	OFF	OFF	ON	ON	ON	OFF
Address	461 C	OFF	ON	OFF	ON	ON	OFF	ON	ON	OFF	OFF	ON	ON	ON	OFF
Address	462 C	OFF	ON	OFF	ON	OFF	ON	ON	ON	OFF	OFF	ON	ON	ON	OFF
Address	463 C	OFF	ON	OFF	ON	ON	ON	ON	ON	OFF	OFF	ON	ON	ON	OFF
Address	464 C	OFF	ON	OFF	ON	OFF	OFF	OFF	OFF	ON	OFF	ON	ON	ON	OFF
Address	465 C	OFF	ON	OFF	ON	ON	OFF	OFF	OFF	ON	OFF	ON	ON	ON	OFF
Address	466 C	OFF	ON	OFF	ON	OFF	ON	OFF	OFF	ON	OFF	ON	ON	ON	OFF
Address	467 C	OFF	ON	OFF	ON	ON	ON	OFF	OFF	ON	OFF	ON	ON	ON	OFF
Address	468 C	OFF	ON	OFF	ON	OFF	OFF	ON	OFF	ON	OFF	ON	ON	ON	OFF
Address	469 C	OFF	ON	OFF	ON	ON	OFF	ON	OFF	ON	OFF	ON	ON	ON	OFF
Address	470 C	OFF	ON	OFF	ON	OFF	ON	ON	OFF	ON	OFF	ON	ON	ON	OFF
Address	471 C	OFF	ON	OFF	ON	ON	ON	ON	OFF	ON	OFF	ON	ON	ON	OFF
Address	472 C	OFF	ON	OFF	ON	OFF	OFF	OFF	ON	ON	OFF	ON	ON	ON	OFF
Address	473 C	OFF	ON	OFF	ON	ON	OFF	OFF	ON	ON	OFF	ON	ON	ON	OFF
Address	474 C	OFF	ON	OFF	ON	OFF	ON	OFF	ON	ON	OFF	ON	ON	ON	OFF
Address	475 C	OFF	ON	OFF	ON	ON	ON	OFF	ON	ON	OFF	ON	ON	ON	OFF
Address	476 C	OFF	ON	OFF	ON	OFF	OFF	ON	ON	ON	OFF	ON	ON	ON	OFF





Address 477	OFF	ON	OFF	ON	ON	OFF	ON	ON	ON	OFF	ON	ON	ON	OFF
Address 478	OFF	ON	OFF	ON	OFF	ON	ON	ON	ON	OFF	ON	ON	ON	OFF
Address 479	OFF	ON	OFF	ON	ON	ON	ON	ON	ON	OFF	ON	ON	ON	OFF
Address 480	OFF	ON	OFF	ON	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	ON	OFF
Address 481	OFF	ON	OFF	ON	ON	OFF	OFF	OFF	OFF	ON	ON	ON	ON	OFF
Address 482	OFF	ON	OFF	ON	OFF	ON	OFF	OFF	OFF	ON	ON	ON	ON	OFF
Address 483	OFF	ON	OFF	ON	ON	ON	OFF	OFF	OFF	ON	ON	ON	ON	OFF
Address 484	OFF	ON	OFF	ON	OFF	OFF	ON	OFF	OFF	ON	ON	ON	ON	OFF
Address 485	OFF	ON	OFF	ON	ON	OFF	ON	OFF	OFF	ON	ON	ON	ON	OFF
Address 486	OFF	ON	OFF	ON	OFF	ON	ON	OFF	OFF	ON	ON	ON	ON	OFF
Address 487	OFF	ON	OFF	ON	ON	ON	ON	OFF	OFF	ON	ON	ON	ON	OFF
Address 488	OFF	ON	OFF	ON	OFF	OFF	OFF	ON	OFF	ON	ON	ON	ON	OFF
Address 489	OFF	ON	OFF	ON	ON	OFF	OFF	ON	OFF	ON	ON	ON	ON	OFF
Address 490	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	ON	ON	ON	OFF
Address 491	OFF	ON	OFF	ON	ON	ON	OFF	ON	OFF	ON	ON	ON	ON	OFF
Address 492	OFF	ON	OFF	ON	OFF	OFF	ON	ON	OFF	ON	ON	ON	ON	OFF
Address 493	OFF	ON	OFF	ON	ON	OFF	ON	ON	OFF	ON	ON	ON	ON	OFF
Address 494	OFF	ON	OFF	ON	OFF	ON	ON	ON	OFF	ON	ON	ON	ON	OFF
Address 495	OFF	ON	OFF	ON	ON	ON	ON	ON	OFF	ON	ON	ON	ON	OFF
Address 496	OFF	ON	OFF	ON	OFF	OFF	OFF	OFF	ON	ON	ON	ON	ON	OFF
Address 497	OFF	ON	OFF	ON	ON	OFF	OFF	OFF	ON	ON	ON	ON	ON	OFF
Address 498	OFF	ON	OFF	ON	OFF	ON	OFF	OFF	ON	ON	ON	ON	ON	OFF
Address 499	OFF	ON	OFF	ON	ON	ON	OFF	OFF	ON	ON	ON	ON	ON	OFF
Address 500	OFF	ON	OFF	ON	OFF	OFF	ON	OFF	ON	ON	ON	ON	ON	OFF
Address 501	OFF	ON	OFF	ON	ON	OFF	ON	OFF	ON	ON	ON	ON	ON	OFF
Address 502	OFF	ON	OFF	ON	OFF	ON	ON	OFF	ON	ON	ON	ON	ON	OFF
Address 503	OFF	ON	OFF	ON	ON	ON	ON	OFF	ON	ON	ON	ON	ON	OFF
Address 504	OFF	ON	OFF	ON	OFF	OFF	OFF	ON	ON	ON	ON	ON	ON	OFF
Address 505	OFF	ON	OFF	ON	ON	OFF	OFF	ON	ON	ON	ON	ON	ON	OFF
Address 506	OFF	ON	OFF	ON	OFF	ON	OFF	ON	ON	ON	ON	ON	ON	OFF
Address 507	OFF	ON	OFF	ON	ON	ON	OFF	ON	ON	ON	ON	ON	ON	OFF
Address 508	OFF	ON	OFF	ON	OFF	OFF	ON	ON	ON	ON	ON	ON	ON	OFF
Address 509	OFF	ON	OFF	ON	ON	OFF	ON	ON	ON	ON	ON	ON	ON	OFF
Address 510	OFF	ON	OFF	ON	OFF	ON	ON	ON	ON	ON	ON	ON	ON	OFF
Address 511	OFF	ON	OFF	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	OFF
Address 512	OFF	ON	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON