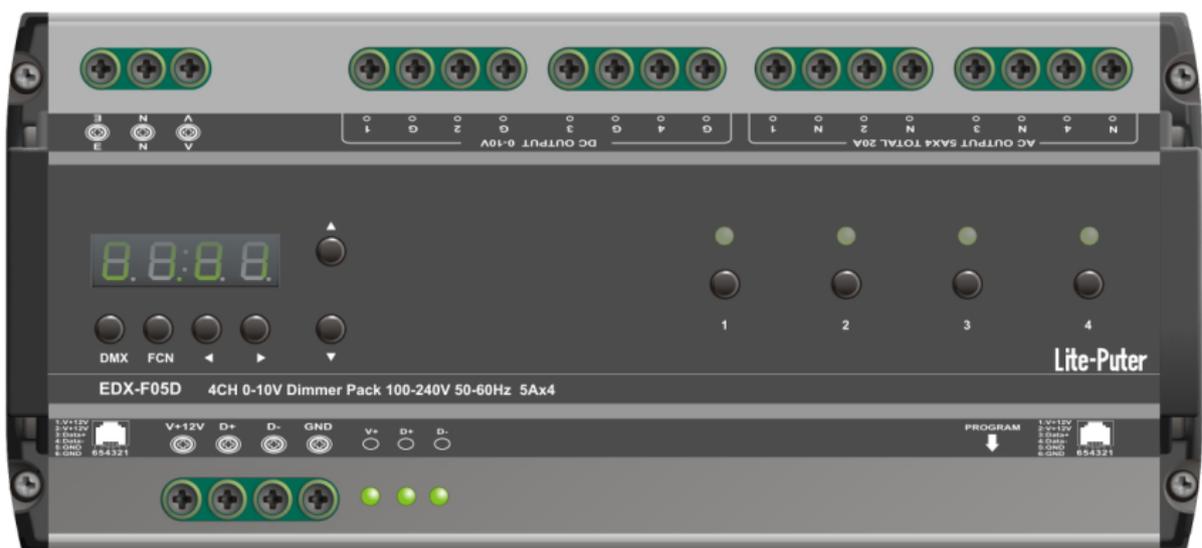


User Manual

EDX-F05D

4-Channel Dimmer Pack (0-10V)



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1 Before Installation

1. Load Capacities: 5A per channel. Total 20A.
2. Working environment:
Temperature: < 40°C Humidity: 40% - 80%
3. Good ventilation environment is required; otherwise, accumulated heat in the machine will lead to damage of system. If the machine is installed in a rack, then the temperature inside the rack must be under 45°C

2 Introductions

2-1 Features

1. 4 channels output. Each channel includes one AC OUT power supply and one DC 0-10V analog output.
2. Accept standard DMX-512 signal.
3. Can set the OFF time for AC OUT power from 1 second to 99 seconds.
4. Can set the fade time for each scene.
5. Up to 99 zones setting.

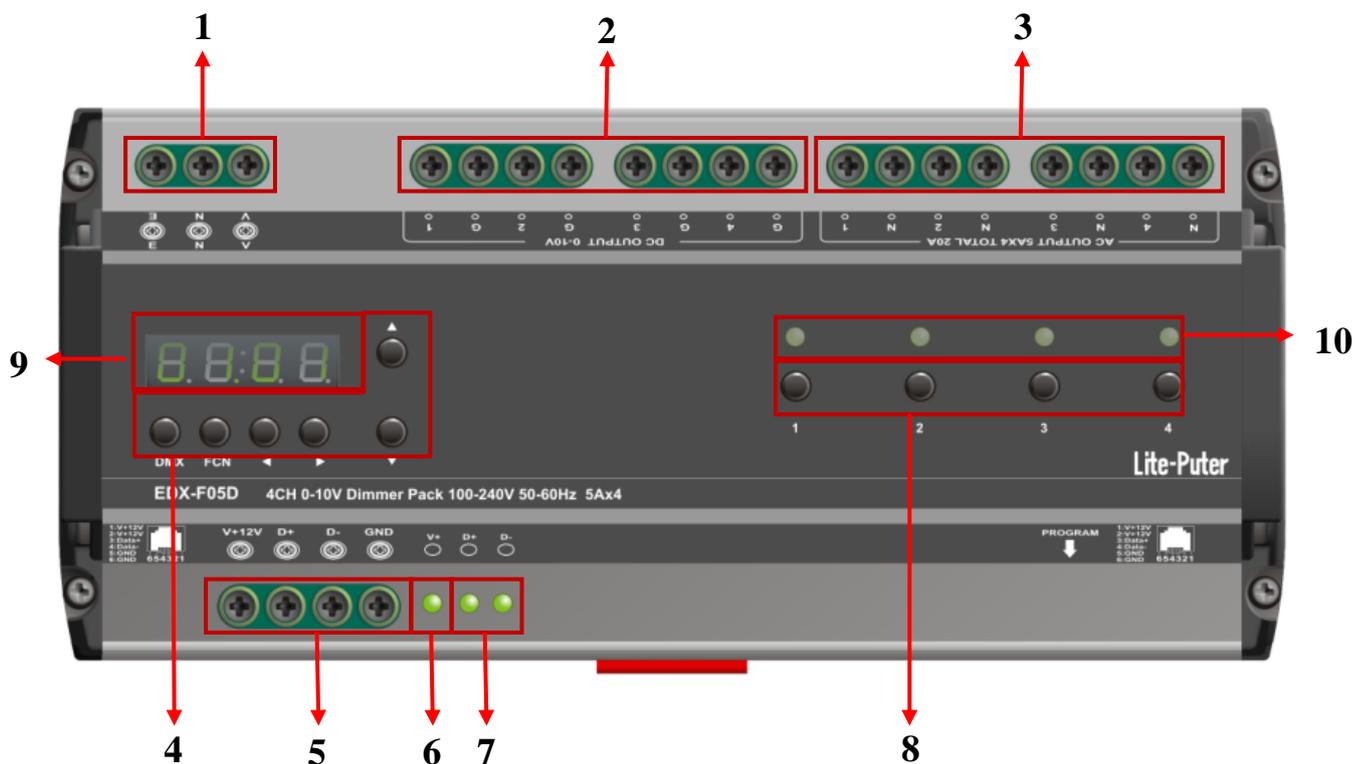
2-2 Specifications

1. Power Supply: 100 - 240V AC (EDX/DMX-512connector for DC12, min.600mA)
2. Protocol: DMX-512/1990, EDX
3. Output Channel: 4 channels, 5A per channel max. Total 20A max.
4. DMX signal connector: 6P 6C PHONEJACK x 2, 4-pin terminal x 1.
5. Dimension: 198mm(W) x 90mm(H) x 62mm(D)
6. Weight: 680g

2-3 Dimensions



2-4 Panel Introductions

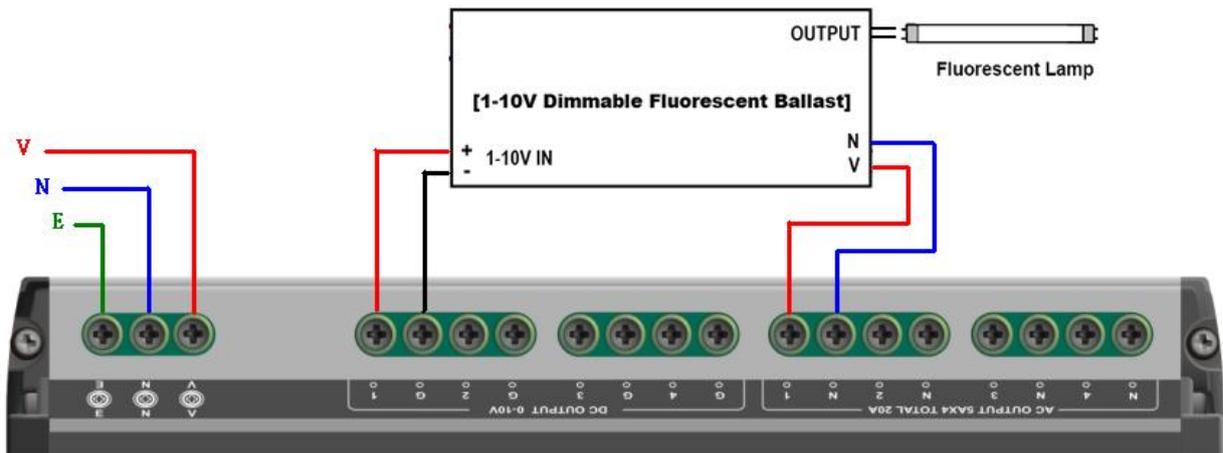


1	AC 100 – 240V Input	2	DC 0 – 10V Output x 4
3	AC Output x 4	4	Function button 【▲】【▼】【◀】【▶】【FCN】 【DMX】
5	DMX/EDX connector	6	Power Indicator

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7	DMX Indicator	8	Instant Output Key 【1】【2】【3】【4】
9	LED Display	10	Dimming LED Indicator

2-5 Wiring Diagram



3 Operations

3-1 Memory Initialization

STEP-1 Press **【▲】** and **【▼】** at the same time then switch on the device , LED displays,



STEP-2 Press **【FCN】** to cancel memory Initialization , LED displays,



The current zone and start channel is displayed in the main screen, the former “01” is zone number, the latter “01” is start channel address.

STEP-3 Press **【DMX】** to start memory Initialization , LED displays,



Then back to main screen



3-2 DMX Address Set

STEP-1 Hold **【DMX】** and then press **【▲】** or **【▼】** to set the DMX IN start channel address. For example, press **【▲】** , LED displays,



The current DMX address is 002.

In the DMX IN mode, the first dot is blinking means the DMX signal inputs.



3-3 AC OUT OFF Delay Setting

When output is $> 10\%$ (1AH), AC OUT will be turn on.

When output is $< 8\%$ (13H), AC OUT will be turn off after the delay time.

STEP-1 Press **【FCN】** to adjust AC OUT OFF delay time, LED displays,



The last two digits mean DLY time, AC OUT OFF is set as 0s; setting range is 0-99s.

STEP-2 Press **【▲】** or **【▼】** to adjust AC OUT OFF delay time . For example, press **【▲】** , LED displays,



Now, the delay time of AC OUT OFF is set as 1 second.

STEP-3 Press **【DMX】** to save the setting and exit.

Please refer appendix 1 for AC Output Off Delay Time Table

3-4 Channel Output Check

STEP-1 On the main page, press **【▲】** or **【▼】** , LED displays,



The first “1” is channel; the last “10” is output level. Now, level of Channel 1 is 10%.

STEP-2 When one channel's output is changing, EDX-F05D will automatically convert to display the channel's output level. For example: channel 2



STEP-3 Press **【DMX】** to save the check.

3-5 DMX IN Configuration

STEP-1 Press **【FCN】** to adjust DMX IN Configuration function, LED displays,



*0F: EDX-F05D accepts DMX signal.
0N: EDX-F05D refuses DMX signal*

STEP-2 press **【▲】** or **【▼】** to choose OF or ON, if press **【▼】** , LED displays,



STEP-3 Press **【DMX】** to save the setting and exit.

4 EDX Systems

EDX-F05D can work either in DMX-512 mode or EDX mode.

a. DMX-512 Mode: *EDX-F05D can be controlled by DMX-512 controllers.*

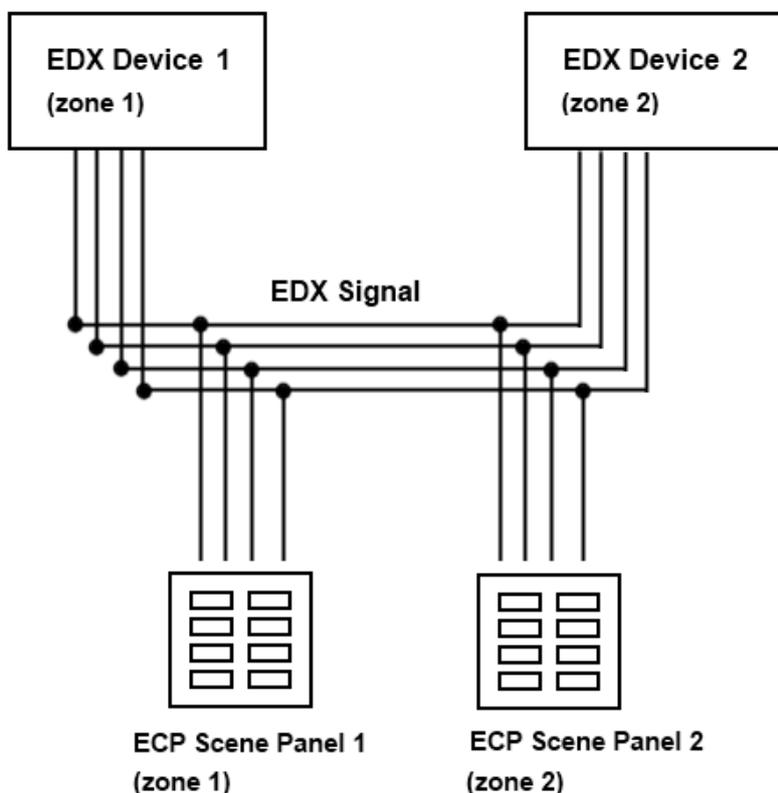
b. EDX Mode: *EDX-F05D can be recalled its stored lighting scenes by connecting to ECP scene control panels.*

4-0 EDX Mode

EDX is a protocol specifically designed for architectural and environmental lighting applications. EDX dimmers or devices are able to store scenes in themselves.

Each EDX device or ECP panel can be specified by a zone number. The scenes stored in EDX devices can be recalled by ECP panels with the same zone number.

EDX device with ECP scene panels



ECP scene panel 1 controls EDX device 1.

ECP scene panel 2 controls EDX device 2.

** If there are both DMX-512 and EDX signal present, DMX-512 signal has the highest priority.*

4-1 ID Number Setting

Working in EDX system, EDX-F04R needs to set ID number and zone number. The default setting of EDX-F04R's ID number is 001.

When one device's working alone, there is no need to set the ID number, but when several devices' working together, each device must have a different ID number.

STEP-1 Press **【FCN】** to adjust to IN NO. setting function, LED displays,



STEP-2 Then press **【▲】** or **【▼】** to adjust ID number, after setting ID NO. as 003, LED displays,



STEP-3 Press **【DMX】** to save the setting and exit.

4-2 Zone Setting

Zone definition : User must set zone code of the device in EDX system. This code has two parts. The first part is zone number, and the second is starting channel address. For example, if there are 4 EDX-F05D in zone 1 with total 16 channels, the zone code should be set as 01-01, 01-05, 01-09, and 01-13

STEP-1 On the main page, press **【FCN】** to adjust to ZONE setting function, LED displays,



The former "01" is current zone number; the latter "01" is start channel address.

STEP-2 The first 2 digits 01 are blinking. Press **【▲】** or **【▼】** to modify the current zone number. For example , press **【▲】** , LED displays,



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STEP-3 Press **【FCN】** shift to adjust start channel, and the last 2 digits are blinking, LED displays,



STEP-4 Press **【▲】** or **【▼】** to modify start channel. For example, press **【▲】**, LED displays:



STEP-5 Press **【DMX】** to save the setting and exit.

4-3 Channel ON or Off (multi-zone)

STEP-1 Press **【FCN】** to adjust multi-zone ON/OFF setting, LED displays,



The latter “OF” represents multi zone state.

STEP-2 Press **【▲】** or **【▼】** to select ON or OFF. For example, press **【▼】**, LED displays:



STEP-3 Press **【DMX】** to save the setting and exit.

4-4 Scene Fade Time Setting

STEP-1 Press **【FCN】** to adjust to FADE setting function, LED displays,



The first digit means scene name: “0” means OFF scene, “1” means Scene 1, “2” means Scene 2 and so on..

The last 2 digits mean FADE time, now, it means FADE time of SC OFF is 0s.

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STEP-2 Now, the first 0 is blinking, and press **【▲】** or **【▼】** to adjust scene . For example , press **【▲】** , LED displays,



STEP-3 FADE time of SC 1 is 0s, and right button to shift to FADE time setting, LED displays,



STEP-4 The last two 0.0 are blinking, press **【▲】** or **【▼】** to adjust FADE time . For example, set as 1s, LED displays,



STEP-5 Press **【DMX】** to save the setting and exit.

Please refer appendix 2 for fader time table.

4-5 Edit Dimming Level of Each Channel

STEP-1 Press **【▲】** or **【▼】** , LED shows



The first “1” is channel; the last “68” is output level. Now, level of Channel 1 is 68%.

STEP-2 The first two digits are blinking, press **【▲】** or **【▼】** to adjust channel, For example , press **【▲】** , LED displays,



STEP-3 Press right button to shift to level edit, LED displays,



STEP-4 The last two digits are blinking, press **【▲】** or **【▼】** to adjust output level of the current channel, For example , set as 70%, LED displays,



STEP-5 Press **【DMX】** to save the setting and exit.

4-6 Scene Save

STEP-1 Press **【DMX】** and **【1】** to save the current output to scene 1, LED displays,



How to save other scenes:

SCENE 2.: 【DMX】 + 【2】

SCENE 3.: 【DMX】 + 【3】

SCENE 4.: 【DMX】 + 【4】

SCENE 5.: 【DMX】 + 【FCN】 + 【1】

SCENE 6 : 【DMX】 + 【FCN】 + 【2】

4-7 Scene Overlap Function

On usual, when user recall a scene, the previous scene will be replaced. This function is for overlap SC5 or SC6 on another scene. If you recall one scene out of SC1-4 first, then recall SC5 or SC6, the later one (SC5 or SC6) will overlap to the previous one (SC1-4), so user will see two or three scenes at the same time.

If there is any channel that is in both scenes, it will output at the higher dimming value.

For example,

Overlap SC5 to SC4,

If CH1's dimming value in SC4 is 40% and in SC5 is 20%, it will remain 40%;

If CH1's dimming value in SC4 is 40% and in SC5 is 85%, it will change to 85%.

STEP-1 On the main page, press **【FCN】** to adjust to scene overlap function, LED displays.



ON: turn on scene overlap function.

OFF: turn off scene overlap function.

STEP-2 Press **【▲】** or **【▼】** to shift between on and off. For example, press **【▲】**, LED displays,



STEP-3 Press **【DMX】** to save the setting and exit.

4-8 Quick Turn On/Off Channels

When no DMX signal inputs, press **【1】 ~ 【4】** to quick turn on/off 1-4 channel. Press button once, the channel output is 50%, press again to output 100%, the third time will close output.

4-9 Partition (Multi-Zone) Function

STEP-1 Press **【FCN】** to partition setting, LED displays,



The first "1-" is channel; the last "01" is zone number. Now, means Channel 1 is in zone 1.

STEP-2 The first "1-" are blinking, and press **【▲】** or **【▼】** to adjust channel. For example, press **【▲】**, LED displays,



STEP-3 Press right button to shift to zone adjust, and the last two digits "01" are blinking:



STEP-4 Press **【▲】** or **【▼】** to adjust the zone. For example, set zone as 03, LED displays,



Zone setting range: 01-99。

STEP-5 Channel 2 is in Zone 3, and press right button to shift to the start channel address setting, LED displays:



STEP-6 Press **【▲】** or **【▼】** to adjust the start channel address to 003, LED displays,



The channel address setting range: 001-255.

STEP-7 Press **【DMX】** to save the setting and exit.

Note: multi-zone setting is effective when the function is ON.

4-10 Version No. Check

STEP-1 Press **【FCN】** to check version, LED displays,



STEP-2 Press **【DMX】** to exit.

Appendix 1: Auto Off Table

A.o.00 Instant	A.o.01 1 sec.	A.o.02 2 sec.	A.o.03 3 sec.	A.o.04 4 sec.	A.o.05 5 sec.	A.o.06 6 sec.	A.o.07 7 sec.	A.o.08 8 sec.	A.o.09 9 sec.
A.o.10 10 sec	A.o.11 11 sec.	A.o.12 12 sec.	A.o.13 13 sec.	A.o.14 14 sec.	A.o.15 15 sec.	A.o.16 16 sec.	A.o.17 17 sec.	A.o.18 18 sec.	A.o.19 19 sec.
A.o.20 20 sec	A.o.21 21 sec.	A.o.22 22 sec.	A.o.23 23 sec.	A.o.24 24 sec.	A.o.25 25 sec.	A.o.26 26 sec.	A.o.27 27 sec.	A.o.28 28 sec.	A.o.29 29 sec.
A.o.30 30 sec	A.o.31 31 sec.	A.o.32 32 sec.	A.o.33 33 sec.	A.o.34 34sec.	A.o.35 35 sec.	A.o.36 36 sec.	A.o.37 37sec.	A.o.38 38sec.	A.o.39 39 sec.
A.o.40 40 sec	A.o.41 41 sec.	A.o.42 42 sec.	A.o.43 43 sec.	A.o.44 44sec.	A.o.45 45 sec.	A.o.46 46 sec.	A.o.47 47sec.	A.o.48 48sec.	A.o.49 49 sec.
A.o.50 50 sec	A.o.51 51 sec.	A.o.52 52 sec.	A.o.53 53 sec.	A.o.54 54sec.	A.o.55 55 sec.	A.o.56 56 sec.	A.o.57 57sec.	A.o.58 58sec.	A.o.59 59 sec.
A.o.60 60 sec	A.o.61 61 sec.	A.o.62 62 sec.	A.o.63 63 sec.	A.o.64 64sec.	A.o.65 65 sec.	A.o.66 66 sec.	A.o.67 67sec.	A.o.68 68sec.	A.o.69 69 sec.
A.o.70 70 sec	A.o.71 71 sec.	A.o.72 72 sec.	A.o.73 73 sec.	A.o.74 74sec.	A.o.75 75 sec.	A.o.76 76 sec.	A.o.77 77sec.	A.o.78 78sec.	A.o.79 79 sec.
A.o.80 80 sec	A.o.81 81 sec.	A.o.82 82 sec.	A.o.83 83 sec.	A.o.84 84sec.	A.o.85 85 sec.	A.o.86 86 sec.	A.o.87 87sec.	A.o.88 88sec.	A.o.89 89 sec.
A.o.90 90 sec	A.o.91 91 sec.	A.o.92 92 sec.	A.o.93 93 sec.	A.o.94 94 sec.	A.o.95 95 sec.	A.o.96 96 sec.	A.o.97 97sec.	A.o.98 98sec.	A.o.99 99 sec.

Appendix 2: Fader Time Table

0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1
0.1 s	0.2 s	0.3 s	0.4 s	0.5 s	0.6 s	0.7 s	0.8 s	0.9 s	1 s
2	3	4	5	6	7	8	9	10	12
2 s	3 s	4 s	5 s	6 s	7 s	8 s	9 s	10 s	12 s
14	16	18	20	25	30	35	40	45	50
14 s	16 s	18 s	20 s	25 s	30 s	35 s	40 s	45 s	50 s
55	1 .	2 .	3 .	4 .	5 .	6 .	7 .	8 .	9 .
55 s	1 m	2 m	3 m	4 m	5 m	6 m	7 m	8 m	9 m
10 .	11 .	12 .	13 .	14 .	15 .	16 .	17 .	18 .	19 .
10 m	11 m	12 m	13 m	14 m	15 m	16 m	17 m	18 m	19 m
20 .	21 .	22 .	23 .	24 .	25 .	26 .	27 .	28 .	29 .
20 m	21 m	22 m	23 m	24 m	25 m	26 m	27 m	28 m	29 m
30 .	31 .	32 .	33 .	34 .	35 .	36 .	37 .	38 .	39 .
30 m	31 m	32 m	33 m	34 m	35 m	36 m	37 m	38 m	39 m
40 .	41 .	42 .	43 .	44 .	45 .	46 .	47 .	48 .	49 .
40 m	41 m	42 m	43 m	44 m	45 m	46 m	47 m	48 m	49 m
50 .	51 .	52 .	53 .	54 .	55 .	56 .	57 .	58 .	59 .
50 m	51 m	52 m	53 m	54 m	55 m	56 m	57 m	58 m	59 m
60 .	61 .	62 .	63 .	64 .	65 .	66 .	67 .	68 .	69 .
60 m	61 m	62 m	63 m	64 m	65 m	66 m	67 m	68 m	69 m
70 .	71 .	72 .	73 .	74 .	75 .	76 .	77 .	78 .	79 .
70 m	71 m	72 m	73 m	74 m	75 m	76 m	77 m	78 m	79 m
80 .	81 .	82 .	83 .	84 .	85 .	86 .	87 .	88 .	89 .
80 m	81 m	82 m	83 m	84 m	85 m	86 m	87 m	88 m	89 m
90 .	91 .	92 .	93 .	94 .	95 .	96 .	97 .	98 .	99 .
90 m	91 m	92 m	93 m	94 m	95 m	96 m	97 m	98 m	99 m