MDB-RS232 控制 MDB 年龄验证设备简要指令

(以下是与台湾 ICT 的 DCM5 年龄验证设备测试数据)

指令	HEX 代码	描述	
RESET(复位)	68H	复位设备	
SETUP(配置)	69H	读取年龄验证设备配置	
Expansion (扩展指令)	6FH	00	读取设备 ID
		FF	Switch On / Off （开关年龄验证设备）

Switch On / Off of Age Verification （开关年龄验证设备）

此命令用于打开或关闭年龄验证，并设置设备的最小验证年龄。当处于“打开”（ON）状态时，会检查每个插入的介质，并将结果发送给VMC。

VMC通电后，需要发送ON或OFF命令给年龄验证设备。

- 例如，通过命令打开超过或等于18岁的年龄验证

VMC 指令: 6F FF 05 06 12 44 52 41 56 60 (设置年龄数值为 Hex:12,也就是年龄需要大于等于18岁)

设备回复： FF 05 06 00 44 52 41 56 50 87

- 例如，通过命令打开超过或等于43岁的年龄验证

VMC 指令: 6F FF 05 06 35 44 52 41 56 60 (设置年龄数值为 Hex:35,也就是年龄需要大于等于 43 岁)

设备回复： FF 05 06 00 44 52 41 56 50 87

Start to swipe the card （刷卡验证）

年龄验证设备可能会报告如下数据给 VMC

样本数据组 1: 68 FF 06 07 **00** 00 44 52 41 56 53

（无效卡，从用户卡上读不到年龄信息）

样本数据组2: 68 FF 06 07 **0E** 10 44 52 41 56 53

（有效卡，用户不可以购买相应产品，因为用户的年龄小于验证年龄）

样本数据组 3: 68 FF 06 07 **1E** 10 44 52 41 56 53

（有效卡，用户可以购买相应产品，因为用户的年龄大于或者等于验证年龄）

68	Z1	Z2	Z3	Z4 (Feature byte1)	Z5 (Feature byte2)	Z6	Z7	Z8	Z9	Z10
68	FF	06	07	00	00	44	52	41	56	53
68	FF	06	07	0E	10	44	52	41	56	53
68	FF	06	07	1E	10	44	52	41	56	53

您可以将 VMC 接收到的数据与下面的协议截图进行比较。

有关详细协议，您可以阅读 MDB 详细信息 V4.3 版本

Diagnostics Response (FFH) Z1	Age (0x06) Z2	length Z3	feature byte 1 Z4	feature byte 2 Z5	Ident Z6-Z10

Z1 : DIAGNOSTICS Response

Z2 : Age verification status

Z3 : length, the number of bytes of this command, not including Z1-Z3, therefore set to 7

b0=0: A customer card is not in reading position, but may be
b0=1: A customer card is in reading position

b1=0: Age information is not available on the customer card

Z1 : DIAGNOSTICS Response

Z2 : Age verification status

Z3 : length, the number of bytes of this command, not including Z1-Z3, therefore set to 7

b0=0: A customer card is not in reading position, but may be
b0=1: A customer card is in reading position

b1=0: Age information is not available on the customer card
b1=1: Age information is available on the customer card

b2=0: Age verification is not possible (MSAM error or no MSAM)
b2=1: Age verification is possible (MSAM ok and present)

b3=0: The age level from DRAVP command can't be checked
b3=1: The age level from DRAVP command (or a higher value) can be checked

b4=0: The customer is not allowed to buy the product, because the age information on the card is less than the value in DRAVP
b4=1: The customer is allowed to buy the product, because the age information on the customer card is equal or greater than the value in DRAVP

b5=0: reserved, should be set to zero
b6=0: Age verification information *) is valid

b6=1: Age verification information *) is invalid and set to 0, because age verification is under progress (busy)
b7=0: A customer card is not inserted
b7=1: A customer card is inserted, but may not be in reading position (refer to b0)

b0...b3: Reserved, should be set to 0

b4=1: Age verification done by private ident media 1

b5=1: Age verification done by private ident media 2
b6=1: Age verification done by driving license reader

b7=1: Age verification done by public cash card

Z6-Z10 Ident "DRAVS" (hex 0x44 0x52 0x41 0x56 0x53)

*) Age verification information refers to feature byte 1 (b1...b4) and feature byte 2 (all bits)

**) must be valid only, if age verification is positively checked (b4=1 of feature byte 1)

If a DRAVS response with positive checked age information sent from the age verification device, the VMC will enable the vend for selected product for typically 30 seconds. This duration should be programmable.

Pro 版本的 MDB-RS232 测试软件