Smart switch panel register address mapping table

(The register is double-byte data, $0x1000 \sim 0x1FFF$, high order first). Smart switch panel communication number: 1----42, factory default address: 0x02; OXFF is the broadcast address. Note: If the address is greater than 42, the absolute key value of the 100B register description in the protocol is invalid.

Register address (hexadecimal)	Register D	escription						
1000	02, if you Panel addr The panel Command ex 02 06 10 0	do not ne ress regist address sh ample: 0 00 01 4C	ed to modi er, the de ould not e F9 set to	fy it, the fault addr xceed (dec address 0		nore it]	ory default	is
1003	Bit15. .Bit6 - Command 6 02 06 10 02 06 10 02 06 10 bit, deme 02 06 10 bit, deme 10 bit, de	Bit5 Release the button to send data enble =1 to send =0, not to send example: 03 00 01 03 00 07 o mode 03 00 1F ctive sen , demonst o show th panel can the RCU. 02 06 10 ch panel epresents rolled by is the m	Bit4 Button delay off LED = 1 enable delay = 0 no delay, the backlight is always on BC F9 D 3C F9 D 3C F9 D 3C F1 S ding, res ration m e sample see the 0 03 00 0 with add the RCU aster-s1	Bit3 Inducti on enable =1 enable =0 disable emo Mode utton act ensing er mote cont ode cont to the co backligh 1 BC F9 - ress 02 t mode: th ave polli	r, the defaul Bit2 The key is actively sent. =1 Actively send =0 master- slave polling tive sendin hable, butt trol bit, d col, local customer fo nt control - Change th to demo mod ne indicato ing mode, a putton to a	Bit1 remote control bit =1 RCU mode g, remote on delay emo mode control o r demonst effect wi e status e; r lights nd the ho	Bit0 demo bit (local control), =1 demo mode control off LED, f the pane ration, t thout gois indicator on the pase st perform	hat ng of nel ms

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	Examp The f Examp activ Panel retur byte Ox62 BIT3 infra Examp BIT4 - no activ chara enabl canno be ac funct Examp BIT5 funct main1 =1, r any d Confi The f follo Examp	= 1 switch ; red sensing le: 02 06 1 = button ba- activation, ated, the b cter backli e it accord t meet the tivated, and ion. le: 02 06 1 = Enable bi ion require y used for elease the ata; guration ex- pormat of the	0 03 00 e key t 0 02 08 ta; byte 0 th (2 k bit nu panel s and to 0 03 00 cklight the ch utton c ght aut ing to require d the F 0 03 00 t to se s BIT2 long-pr button ample: e data 0 02 08	$\begin{array}{c} 0.04 & 7C \\ \hline co & active \\ \hline co & acti$	FA—co vely se 38 , t read c x00-0x0 1 byte enable nsing a FF sta us indi r back1 t move ally tu own nee the pa 1 defin F5 a when utton a nction ively s 10 03 0 hen the F9 , p	onfigure and data he key command (2) + al (0x02) - c, indic (are enal (art pane) (cator (cator) (cator	ed to s a is as K2 is (1 byt psolute + CRC c cating pled; el sens delay c emains 15 sec f; cust if our lay fun pwn des tton is node) t ition s ta; =0, 0 22 s relea ne key	send ac follo presse e 0x03 e key v heck (whethe off fun on, 1 conds, comers built- action sired d s relea co work such as do no ased is K2 (co	ws: d to) + alue (1 2 bytes r nction (1 - the can in delay will not elay sed. Thi dimming t send as	0 y t g.
1008	indica backli	tor backlight tors on the sy ght, etc.	witch pa	nel such	as aper	ture, st	atus cii	rcle, ch	aracter	
	B15- B9	B8	B7	B6	В5	B4	B3	B2	BO	
		Backlight			Button	Button	Buttor	Button	Button	
		LED			6 LED	5 LED	4 LED	3 LED	1 LED	
	it is 2. Bit lights produc The wh small produc backli light) 3. Bit backli	n a bit is 0, the LED 0-5 are sta on and off ts ite apertur circle or o t (such as ght of the is the sta 8-character ght on the he correspo	is off tus in , and , and , e of t other g G2) is backli , tus in backl switch	dicator are con he prod raphic the st ght pro dicator ight in button	s: they trolled uct is symbols atus in duct (1 ; dicator	y are s l by th the st s of th ndicato that is c: The	ynchron e RCU. atus in e statu r, and , aften yellow	nized w Apertu ndicato us + ba the wh r chang charac	with the are or, the acklight aite ging the eter	

	For non-variable backlight products, the backlight of characters on a certain key cannot be individually controlled to turn on or off. It can only be fully on or off; for products with variable backlight, after the white backlight is turned on, the yellow backlight will automatically turn off due to overlapping positions. ; Note: When the smart panel is a product that changes backlight (such as yellow backlight to white backlight), since the position of the status indicator and character indicator overlaps, if you need to change the color of the backlight (such as the backlight changes from yellow to white), directly change the BITO-6 can be set to 1. However, the character backlight bit BIT8 is the indicator display control bit. Set 1 to allow LED display, and set 0 to all LEDs off. Command example: 02 06 10 08 00 01 CD 3B Button 1 LED on (other buttons LED and backlight off) - status + backlight 02 06 10 08 00 01 CC AB Button 1 LED turns white (other keys are backlit yellow) - backlit 02 06 10 08 00 02 8D 3A Button 2 LED on (other buttons LED and backlight off) - status + backlight 02 06 10 08 00 02 8D 3A Button 2 LED on and backlight on (other buttons LED off) - status + backlight 02 06 10 08 00 34 C FA Button 1 LED on and backlight on (other buttons LED off) - status + backlight 02 06 10 08 00 34 C FA Button 1 LED on and button 2 LED on (other buttons LED and backlight off) - status + backlight 02 06 10 08 00 37 4C EB Button 1 to Button 6 LED on (backlight 02 06 10 08 00 03 F4C EB Button 1 to Button 6 LED on (backlight 02 06 10 08 00 00 CC AB backlight off) - status + backlight 02 06 10 08 00 00 CC AB backlight on, all key LEDs off - status + backlight 02 06 10 08 00 00 CC AB backlight on, all key LEDs off - status + backlight 02 06 10 08 00 00 CC FB All key LEDs are off (including backlight) - status + backlight 1 n the above examples, except for the 2nd and 3rd examples (red fonts), the others are products with separate status and abacetor backlight (andb can backlight appretures) Sat to b
	character backlights (such as products with apertures). Set to 1, as in the second example;
100B	
100B	as in the second example; key value register: Bit0~Bit5 correspond to key 1 to key 6
100B	as in the second example; key value register: Bit0~Bit5 correspond to key 1 to key 6 respectively. Bit8~Bit15 are absolute key values.

	Read the key value, the key 1 is pressed, the panel address is 02. Host computer send: 02 03 10 0B 00 01 F1 3B Panel return: 02 03 00 02 07 01 27 C9 (absolute key value is 7) Note: In master-slave polling mode, after the key is released, the key value will be automatically reset after 2 seconds; The read command of the machine is automatically cleared; Active sending mode, if the key value does not need to be stored in the register, that is, the key is sent immediately and cleared immediately, and the order is marked; Absolute key value = (Panel address - 1) * 6 + key number (Key number: the key number of key 1 is 1, the key number of key 2 is 2 and so on, this byte can realize the unified coding of the keys of all panels.)
100E	To restore the factory default registers: Writing 0x0000 to this register will restore the panel to factory settings. Command example: FF 06 10 0E 00 00 F9 17 Note: This command restores the factory parameters, you need to send the save command (see 100F register command description) to save it i the EEPROM, or wait 30 seconds for the panel to automatically save;
100F	[Note: This register is used for system configuration. If the user does not modify the system configuration (such as modifying the panel address), they do not need to pay attention] Save the control register: Write OOFE to this register and the panel will save the configuration. Every time you modify the system configuration (such as modifying the panel address), you must send a save command, and the panel will save the settings, or the panel will automatically save after 30 seconds. Command example: 02 06 10 OF 00 FE 3C BA
1310 ~ 131F	Key K1 ^{K16} status bits (0: off, 1: on, 2: long-press sign, FF key stuck sign) 1310 corresponds to the state of key K1, the host can read this register to get it. Automatically clear key value register 100B after reading; Note: Long press the logo only after more than 2 seconds. Reference light aperture example: Long press for more than 1 minute, the default button is stuck, the button value is cleared to 0, and the long-pressed flag is cleared to 0 (until the microcontroller detects that the button has bounced, it will re-detect whether the button is in the long- pressed state, that is, temporarily shielded). The active sending mode does not have this data, can it be increased?