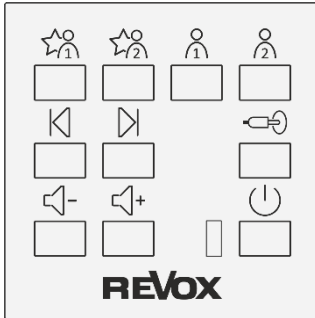


## C18 Multiuser Wall Control













With the C18 Multiuser Wall Control, commands (IR triggers) can be sent to the Multiuser system that are stored in the Multiuser Server. The function is defined in the *Configurator* itself. In addition, a different behaviour can be defined between a short and a long keystroke.

Via the integrated IR receiver (to the left of the power button), infrared codes (RC5) can be received from IR remote controls and forwarded to the Multiuser System for IR triggers.

With the help of the DIL switches on the back of the wall-mounted keypad, different RC5 addresses can be selected in case of IR conflicts with other remote controls/devices.

### Command overview

Button	Description	Code Page 1	Code Page 2	Code Page 3	Code Page 4	
	User 1 Favorit	<i>Short keystroke:</i> last favorit of User 1 <i>Long keystroke:</i> favorit no. 1 of User 1	[17] [63]	[24] [63]	[25] [63]	[26] [63]
	User 2 Favorit	<i>Short keystroke:</i> last favorit of User 2 <i>Long keystroke:</i> favorit no. 1 of User 2	[20] [63]	[24] [55]	[25] [55]	[26] [55]
	User 1	Select User 1	[07] [63]	[24] [56]	[25] [56]	[26] [56]
	User 2	Select User 2	[21] [63]	[24] [57]	[25] [57]	[26] [57]
	Local Input	Select local analogue input of the user	[19] [63]	[24] [51]	[25] [51]	[26] [51]
	Track_down		[**] [33]	[24] [19]	[25] [19]	[26] [19]
	Track_up		[**] [32]	[24] [18]	[25] [18]	[26] [18]
	Volume_down		[**] [17]	[24] [21]	[25] [21]	[26] [21]
	Volume_up		[**] [16]	[24] [20]	[25] [20]	[26] [20]
	Power Off	<i>Short keystroke:</i> switch-off room <i>Long keystroke:</i> switch-off the complete system	[**] [12]	[24] [39]	[25] [39]	[26] [39]

Code page option for C18 wall-mounted keypad available from SW version 1.00 onwards

\*\* RC5 code is combined with current user/source address, i.e. if user 2 (address 21) was selected last, e.g. the volume\_up command is also assigned address 21 and an RC5 command [21] [16] is sent.

### Checking of RC5 command

The defined RC5 codes can be checked through the display on the Multiuser amplifier M30 or V219. The infrared mode can be selected with its Setup button, the received signals from the IR Link inputs can be detected and its RC5 address and command can be displayed.



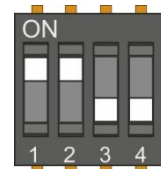
IR display of the Multiuser amplifier M30 or V219

### DIL switch

With the introduction of SW version 218-2 1.00 (Multiuser Programmer Software), there is a code page option for the C18 Multiuser Wall Control. 4 different code pages can be selected via DIL switches 3 and 4 on the back of the C18 wall keypad. To do this, dismantle the wall control and remove the plastic cover on the back. The desired code page can now be set with a small screwdriver. Please observe the current ESE regulations when the cover is open so as not to damage the electronics.

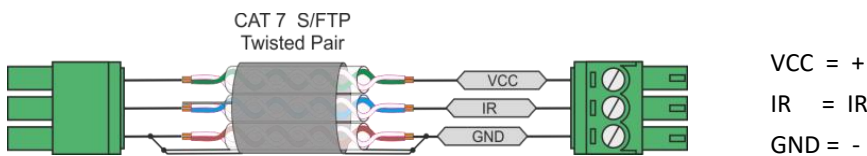
## RC5-Codes C18 Multiuser Wall Remote

DIL	Function	Description	Factory setting
1	IR eye	Internal IR receiver on [1]/ off [0]	On
2	LED	LED on [1]/ off [0]	On
3 + 4	RC5 Code Pages	RC5 address combination 00: Code Page 1 01: Code Page 2 10 : Code Page 3 11: Code Page 4	Off + Off [00]



### Cabeling

The C18 wall control unit is connected to the Multiuser amplifier via a 3-pole screwable connector. When wiring, make sure that the shielding of a CAT cable (S/FTP, F/FTP) is connected to the GND line on both sides. In addition, a pair of wires for one signal should be connected together. Both measures increase the cable cross-section and thus reduce the voltage drop in the cable. With this cabling variant, cable lengths of up to 100 m can be realised. Alternatively, a data cable of type U72 (1x4x0.5 mm<sup>2</sup>) can be used.



### Parallel operation

In larger rooms, it may make sense to place two C18 wall-mounted keypads at different locations in the room. 2 C18s may be operated in parallel, i.e. all 3 signal lines (GND, IR, VCC) are connected in parallel.

To avoid double commands when using remote controls, if both wall-mounted keypads could receive the IR signal, it is recommended to deactivate the IR receiver for **one** of the two C18 wall-mounted keypads. This is set via a DIL switch (DIL 1) on the back of the wall-mounted keypad - see illustration above.

The IR link, including the trigger-out of the multiuser amplifier, may be loaded with a maximum of 80 mA. The nominal current requirement of a C18 is 23 mA.

### Technical Data

Protection class	IP20, dry installation (acc. with IEC 60529)
Ambient temperature	Operation -5 °C to +45 °C Storage: -25 °C to +70 °C
Connection type	Screwable plug connector 3 x 0.15 - 1.50 mm <sup>2</sup>
DIL factory settings	1: IR on 2: LED on 3: Code page 1-4 4: Code page 1-4
Cable	Installation cable S/FTP or F/FTP or U72 ABG 1 x 4 x 0.5 mm <sup>2</sup> (screened)
Maximum cable lengths	Max. 100 m to Multiuser amplifier M30 or V219
Power consumption	17 mA (passive) / 23 mA (button pressed)
Parallel operation	Max. 2 wall-mounted keypads can be switched in parallel