



Software Color-Editor ProCed



General

The **CHROMOFLEX® ProCed** software is designed to control the **CHROMOFLEX® Pro** series. With the software single modules or entire networks of **CHROMOFLEX®** in master/slave mode can be programmed or controlled. The software can only be used in combination with **CHROMOFLEX® Pro** USB dongle (Item-No: 6600036). Compared to the remote control, the software offers more advanced settings e.g. modification of the colour templates and the three user programmes. Operating range depends on the environment. Operation of up to 300 metres should be possible outdoors. Indoors an operating range of 20- 50 metres should be unproblematic.

CHROMOFLEX® Pro series operates on a frequency of 868.3 MHz (licence-free in EU, Switzerland, Norway and Iceland).

Start-up / Download

Important note: Please install software first, before connecting the USB dongle. For programming, the software is free to download at: <http://www.barthelme.eu/en/software.aspx>
It will run on any PC. Software was tested with Windows XP, Vista and Windows 7 (all trademarks of Microsoft Corp)

The screenshot shows the 'ProCed V1.21' software window. The interface includes several key areas:

- Version-No:** Located at the top left of the window title bar.
- Sliders:** Four vertical sliders for Red, Green, Blue, and White, along with a Dimmer slider, used for color and brightness adjustment.
- Buttons for identification / settings:** A panel at the bottom left containing 'Identify Device', 'Parameters...', and 'Exit' buttons.
- Info box - selected units or firmware:** A text area at the bottom center displaying device information like 'Using Wireless Dongle 868 MHz V2.1' and 'Selected: Device #E00034 (Remote Ctrl)'.
- Programme Buttons:** A vertical column of buttons on the right side, including 'Off', 'Save & Off', 'Fixed Color', 'Normal Col. Ch.', 'Medium Col. Ch.', 'Slow Col. Ch.', 'Blob', 'LSD', 'Fire', 'Flashes', 'Bursts', and three 'User Effect' buttons.
- List of Chromoflexes within range:** A list on the right side showing available devices, such as '#10004D->#000010 [|||||||] 159 User Effect 1' and '#E00034 [|||||||] 156 (Remote Ctrl)'.
- Setup for updating firmware:** A 'Setup' button located at the bottom right of the window.
- Display of manual:** A button with a book icon at the bottom right.
- Display of version:** A button with an 'i' icon at the bottom right.

a.) Starting Software / Activating units

Software and units are conceived in such a way that settings and handling can only be altered, after the code of the corresponding unit was entered. This 4-digit code can be found on the PCB of both items. Remote control: next to the batteries. **CHROMOFLEX®** units: near the antenna.

Fig. 1

After starting the software the units within range are indicated in the display (see Fig. 1).

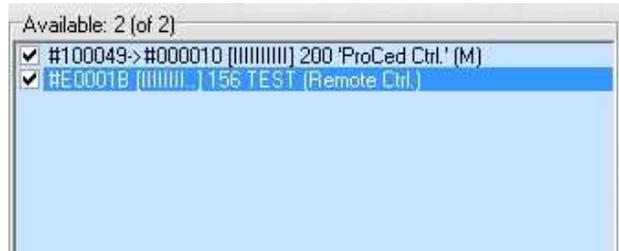


Fig. 2

Access on the remote is only possible when a 4-digit code is entered. The info box (Fig.2) will open automatically after the corresponding unit was selected.



This code has to be entered once, since the software stores the access code. It might occur that the units have to be activated again after update or reinstalling.

b.) Operation

Fig. 3

First a unit has to be selected. This could be either a **CHROMOFLEX® Pro** or **CHROMOFLEX® Pro** remote control, see Fig.3

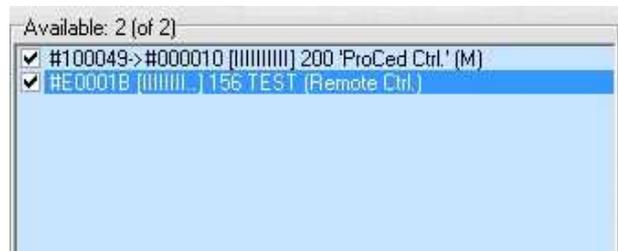


Fig. 4

Which unit is selected is indicated in the info box, see Fig. 4.

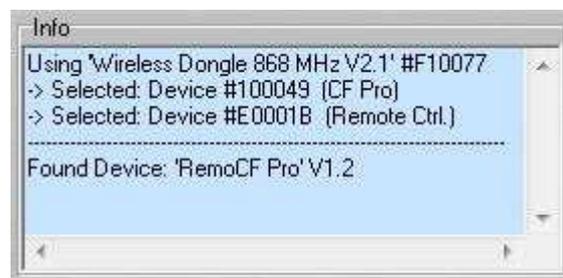


Fig. 5

After, as in Fig. 5, a **CHROMOFLEX® Pro** unit was selected, the programmes can be activated by clicking on the buttons

With the sliders, a colour can be set. Any unit in this group will show this colour; please see also chap. Settings “group”.

Programmes:

1. „Fixed Colour“ („Power-On“)
2. Normal colour change
3. Medium colour change
4. Slow colour change
5. „Blob“- randomly up lighted/dimmed colours
6. „LSD“- randomly changing colours
7. „Fire“- Fire simulation
8. Flashes
9. „Bursts“: Randomly selected, non-synchronised flashes
- 10 User effect #1 (editable via parameters)
11. User effect #2 (editable via parameters)
12. User effect #3 (editable via parameters“)

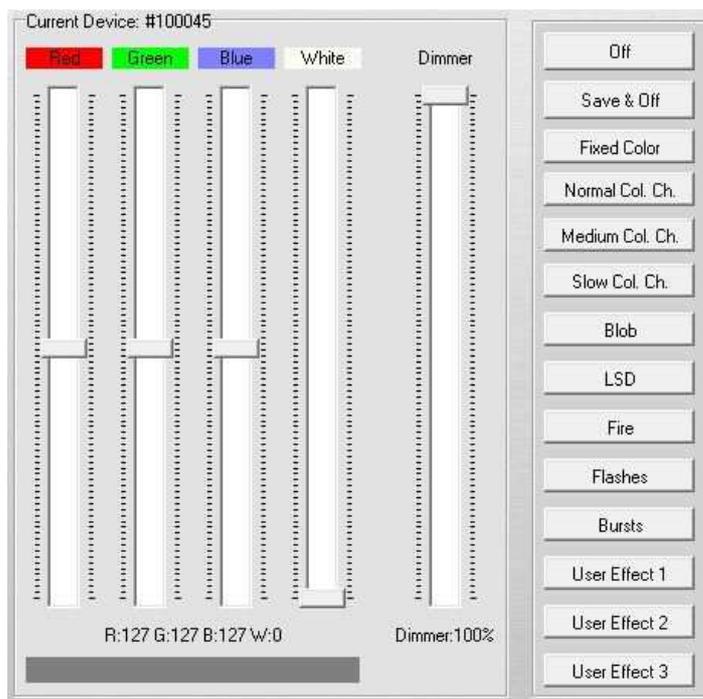
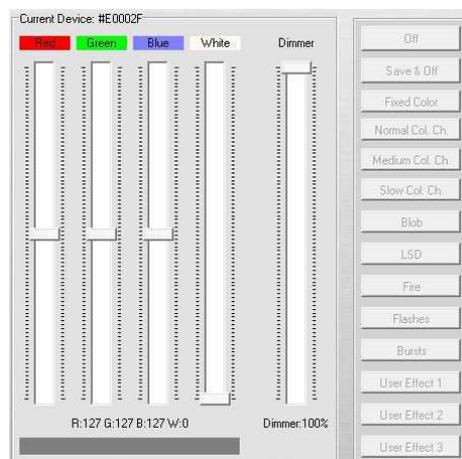


Fig. 6

When a remote control was selected, the sliders and programme buttons are inactive. When the slide of the remote control is used, this will be indicated by the sliders on the screen.

Activation of programmes and setting of sliders is not possible in this state.



c.) Stettings

Before the settings of one unit can be edited, it must be selected in the unit list (Fig.3). The selected unit is indicated in the info box (Fig. 4)

Abb. 7

After the unit is selected, click button “identify device”. The settings are read out of the unit and the current firmware version will be transferred to the info box (see Fig.4)

Now the settings of the unit can be edited. To indicate these settings, push button “parameters”. The settings for remote control and **CHROMOFLEX®** units may differ:



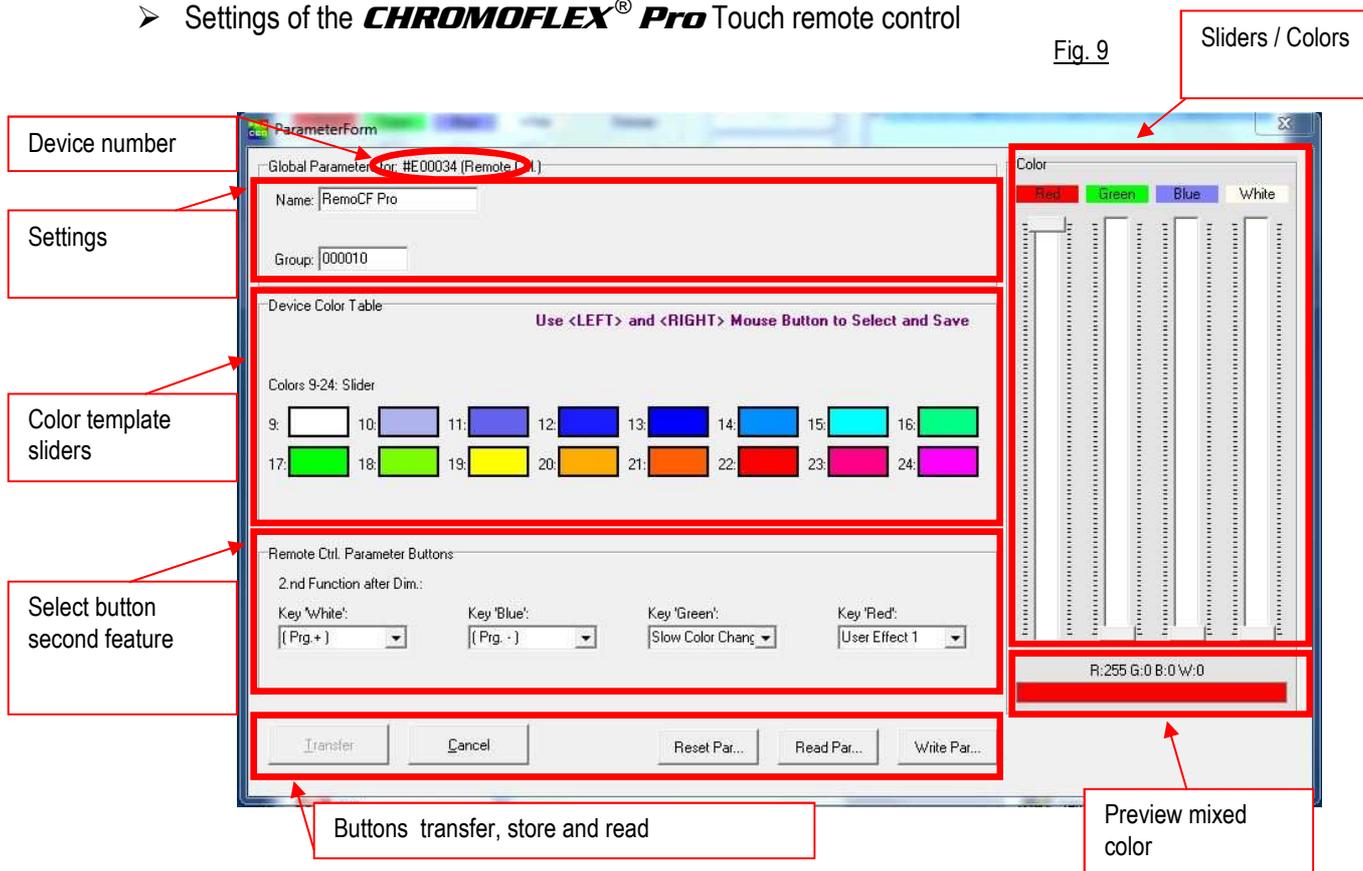
➤ Settings of **CHROMOFLEX® Pro** units

Abb. 8



- **Name:** can be entered as free text, max 20 characters.
- **Mode:** select between "Slave" (active), "Slave (silent)" ; „Master”
 - Slave (active):when a master is set within the group, its settings will be forwarded/ repeat feature
 - Slave (silent): does not forward settings, visible for 30 seconds only in the unit list. After reconnecting to supply voltage. Due to this, there is less traffic within the network.
 - Master: Syncs transition time of colour changes or its group. Please see glossary.
- **Group:** several groups/networks can be set, there is no communication between units of different groups, permissible value of 10 to 0FFFFFF; meaning 1048565 possible groups/networks.
- **Default Effect:** start programme after reconnection of supply voltage, can also be set by remote control (please see manual for **CHROMOFLEX® Pro** remote control).
- **Default Fixed Colour:** fixed colour, which is a standard in „Fixed Colour“ programme.
- **Effect-Offset:** offset of colour- colour shift, please see glossary
- **Default Dimmer:** Dim value after reconnection of supply voltage, pre-set by master.
- **Device Colour Table:** colour template stored on the unit. Colours can be mixed, using the sliders on the screen. Can be set with click on right mouse button, see also glossary
- **User Effect:** via arrow buttons three user effects can be selected.
 - Duration: duration of one colour, see glossary
 - Fade Time: fade time of one colour, see glossary
 - Colour 1 – 16: select a colour from colour template, which is to be used in a user effect.
- **Transfer:** transfers parameters/settings to the unit
- **Reset Par...:** Default mode
- **Read Par...:** Reads parameters/settings using data files.
- **Write Par...:** Stores all set parameters/settings in a data file.

➤ Settings of the CHROMOFLEX® Pro Touch remote control



- **Name:** can be entered as free text, max. 20 characters
- **Group:** several groups/networks can be set, there is no communication between units of different groups, permissible value of 10 to 0FFFFFF; meaning 1048565 possible groups/networks.
- **Device Colour Table:** colour template for slider stored on the remote control. Colours can be mixed using the sliders on the screen in the colour box; can be stored with right mouse button click.
- **Remote Ctrl. Parameter:** settings of feature buttons after pressing the dim button.
- **Transfer:** transfers parameters/settings to the unit
- **Reset Par...:** default mode
- **Read Par...:** reads parameters/settings using data files
- **Write Par...:** stores all set parameters/settings in a data file.

d.) Firmware Update / Setup

A new firmware can be transferred to the CHROMOFLEX® Pro via software; we recommend looking for new updates. The firmware version on the unit can be easily read out, please see Fig. 7.

Present firmware can be downloaded at: <http://www.barthelme.eu/en/software.aspx>

After pressing the setup button, a new window will open in which the unit to be updated can be selected.

Note: Please download firmware and store first!

USB dongle → Update USB dongle Firmware...

Selected device → Update Device Firmware...



d.) Glossary

- Mode → Master :
Synchronises transition time in the colour changes (the colours are not being synced). For a synchronous colour change, the settings of all units within one group have to be identical. There must be no more than one Master within the group. Random effects will never be in sync, such as: Blob; LSD; Fire; Flashes and Bursts.

- Effect-Offset : Offset of one colour

It is used only for normal colour change, medium colour change and slow colour change. The Effect-Offset is a shift within the colour change and may have values from 0 to 255. Colour changes are divided in 8 steps and 32 sub steps. Single units can be shifted against the master within the colour change. Example: one unit is set on effect offset value 128 (=4 * 32) equals a shift of 4 colours. This unit will change exactly from colour 5 to 6 while the master changes from colour 1 to 2.

- Device Colour Table : Colour template stored on the unit

Colours 1 to 8 are to be used in pre-set programmes. Colours 9 to 32 are additional colours.

All of them can be used for the user programmes. The colour template can be edited in the colour box by using the sliders on the screen. Once a colour is chosen with the left mouse button it will be indicated by the sliders in the colour box. If a colour was composite by the sliders, it can be stored in the colour template by setting the mouse cursor on the desired colour. Then click the right mouse button.

Note: Pre-set programmes like normal colour change, medium colour change, slow colour change, Blob, LSD and Bursts use colour 1 to 8 from the colour template.

- User Effect
 - Duration : Duration of one colour
Duration may have values up to 65535, which is 6992 seconds in total. (Set time x 0.1067 sec = duration).
 - Fade time : Fade time of one colour
Fade time is subtracted from duration, e.g. duration is set on 20 seconds (value 188) and fade time is 4 seconds the duration is reduced to 16 seconds. Max. fade time is 400 seconds.

Safety instructions

The USB dongle was designed for indoor use in dry places, since the components are very sensitive. Electrostatics, moisture and dirt may damage the unit.

We decline any liability, loss, or damage caused by improper usage such as reverse polarity, modification, or injuries to persons or damage to property! Guarantee is also lost in such cases.

This product is not a toy, keep away from children!

Contact / Internet

Free Download of PC-Software, manuals, data sheets and technical questions (technical questions as e-mail only):

<http://www.barthelme.eu> , <http://www.barthelme.eu/en/software.aspx>

Josef Barthelme GmbH & Co. KG
Oedenberger Str. 149
D-90491 Nürnberg
Mail : info@barthelme.eu
www.barthelme.eu