



HDL[®]

4 Канальный 16А

Модуль реле

HDL-MR0416.431

buspro
Automation Solutions

KNX
Automation Solutions



◆ HDL-MR0410.431



◆ HDL-MR0416.431



◆ HDL-MR0810.432



◆ HDL-MR0816.432

- У релейного модуля есть установки сцен, пользователи могут легко использовать различные комбинации на панели, после программирования. Реле может управлять многими группами света или устройствами.
- У реле есть функция последовательности, можно использовать последовательное включение или выключение каналов через заданное время.

Пример 1: Функции последовательности могут Вкл/Выкл DVD и питание усилителя один за другим, для защиты HIFI от шума Вкл/Выкл устройства.

Пример 2: Функция последовательности может управлять ирригационной системой разбрызгивателя, чтобы поливать траву и цветы в большом саду.

4 channels 16A relay IV

1 Device 2 Area 3 Channel 4 Scene 5 Sequence 6 New Functions

Select device

Device: 5-4-HDL-MR0416.431 0

Device configuration

Model: HDL-MR0416.431

Subnet ID: 5 Device ID: 4

Device remark

Remark: Save

MAC address

MAC: 2A.39.0B.0E.12.01.01.30

Model picture

Subnet ID и Device ID

Modify subnet ID and device ID according to MAC

Subnet ID: Device ID: Save

Picture upload

Upload... Delete Exit

Редактировать ID если необходимо

HDL-BUS Pro Setup tool V10.18.37-Beta.02

Setup (S) | Address management | Devices (D) | Test Relay / Dimmer (C) | Test Relay / Dimmer (Channel Test) | Touch Screen | Data backup and restore | Advanced Tools (T) | User management (U) | Help (H)

4 channels 16A relay IV

1 Device 2 Area 3 Channel 4 Scene 5 Sequence 6 New Functions

Select device
Device: 1-65-HDL-MR0416.431 0

Area information
Total area: 2

Current area: 1-living room

Area information

Area no.	Remark	Load totality
1	living room	2
2	kitchen	2

Channel information of current area

Ch. no.	Remark
1	1.1
2	1.2

Area modification

Area remark...
Area setup...
Exit

Область: сопоставьте каналы с областями, каждый канал независим.

№ Области

Каналы в текущей Области

Area
Communication way: Ethernet | Current IP: 192.168.10.121 | Total Devices: 7 | Best resolution ratio: 100%

Area information

Area no.	Remark
1	living room
2	kitchen

Basic information

Data acquisition mode	Device	Model	HDL-MR0416.431
Remark			
Subnet ID	1	Device ID	65

Modify area remark

Area no.	Remark
1	living room
2	kitchen

Area modification

Area remark...

Area setup...

Save

Exit

1. Примечание Области

2. Введите примечание

3. Сохраните примечание

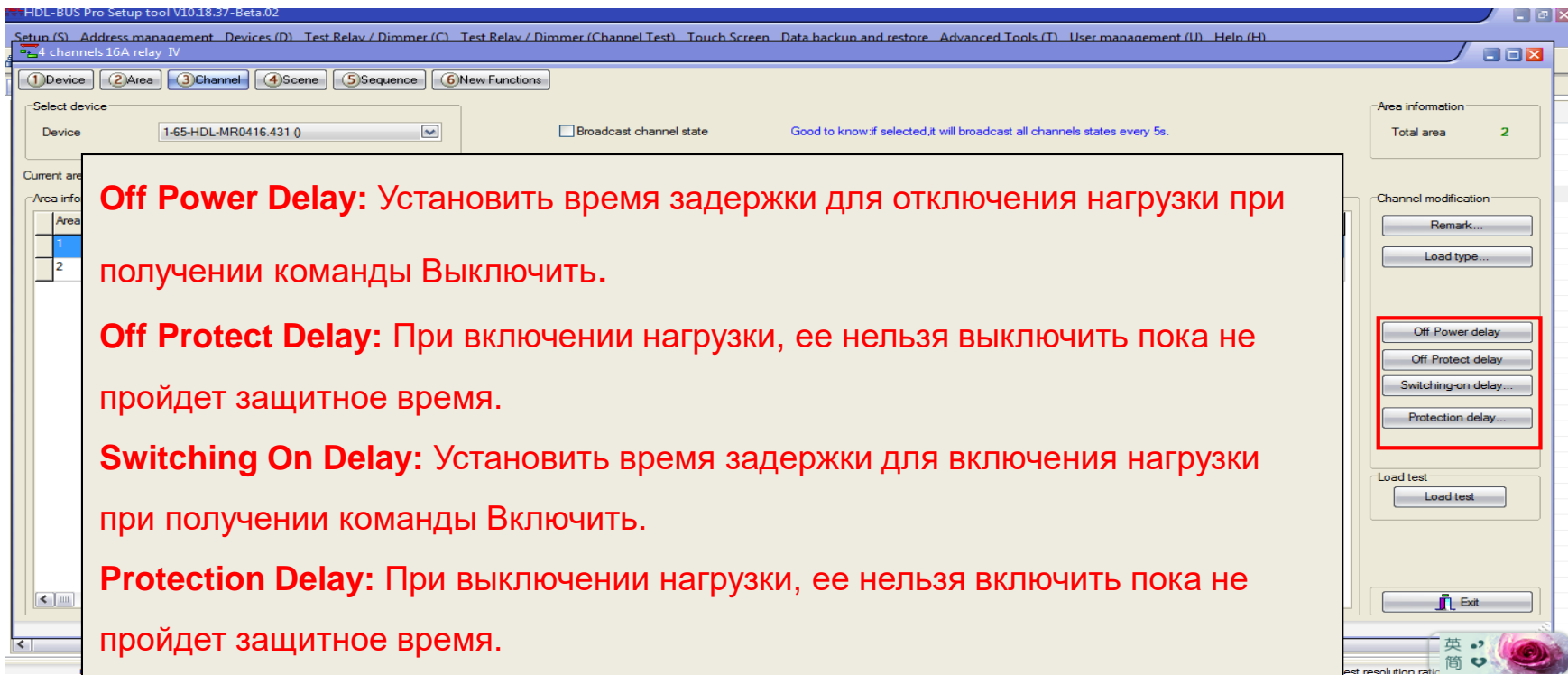
The screenshot shows the 'Area setup' window in the HDL-BUS Pro Setup tool. The window is divided into several sections:

- Basic information:** Shows device details like Model (HDL-MR0416.431), Device ID (65), and Max channels (4).
- Area information:** A table with columns 'Area no.' and 'Remark'. It lists area 1 as 'living room' and area 2 as 'kitchen'.
- Channels waiting allocation:** A list of channels with lightbulb icons, currently showing channels 3 and 4.
- Channels in current area:** A list of channels with lightbulb icons, currently showing channels 1-1.1 and 2-1.2.
- Area modification:** Includes buttons for 'Area remark...', 'Area setup...', 'Clear All', 'Select all <', 'Deselect all <', 'Create area', and 'Save'.

Red annotations and numbered instructions are overlaid on the screenshot:

- 1. Нажмите "Настройки Области"** (Click "Area setup") - points to the 'Area setup...' button.
- 2. Выбрать текущую Область** (Select current Area) - points to the 'Select area' dropdown menu showing '1-living room'.
- 3. Создать Область** (Create Area) - points to the 'Create area' button.
- 4. Каналы ожидающие распределения** (Channels waiting for distribution) - points to the 'Channels waiting allocation' list.
- 5. Добавить или удалить канал из текущей Области.** (Add or remove channel from current Area) - points to the right and left arrow buttons between the channel lists.

Additional text annotations include 'Каналы в Области' (Channels in Area) pointing to the 'Channels in current area' list, and 'Turn On when Selected' pointing to a checkbox.



The screenshot shows the HDL-BUS Pro Setup tool interface. The main window is titled "HDL-BUS Pro Setup tool V10.18.37-Beta.02". The interface includes a menu bar with options like "Setup (S)", "Address management", "Devices (D)", "Test Relay / Dimmer (C)", "Test Relay / Dimmer (Channel Test)", "Touch Screen", "Data backup and restore", "Advanced Tools (T)", "User management (U)", and "Help (H)". Below the menu bar, there are tabs for "1 Device", "2 Area", "3 Channel", "4 Scene", "5 Sequence", and "6 New Functions". The "Channel" tab is selected. The "Select device" section shows a dropdown menu with "1-65-HDL-MR0416.431 (0)" selected. There is a checkbox for "Broadcast channel state" and a note: "Good to know: if selected, it will broadcast all channels states every 5s." On the right side, there is a "Channel modification" section with buttons for "Remark...", "Load type...", "Off Power delay", "Off Protect delay", "Switching-on delay...", and "Protection delay...". The "Off Power delay", "Off Protect delay", "Switching-on delay...", and "Protection delay..." buttons are highlighted with a red box. At the bottom right, there is a language selection dropdown set to "英简" (English Simplified) and an "Exit" button.

Off Power Delay: Установить время задержки для отключения нагрузки при получении команды Выключить.

Off Protect Delay: При включении нагрузки, ее нельзя выключить пока не пройдет защитное время.

Switching On Delay: Установить время задержки для включения нагрузки при получении команды Включить.

Protection Delay: При выключении нагрузки, ее нельзя включить пока не пройдет защитное время.

1-5-SB-DN-R0416.0

Input scene no. from 0 To 3 Confirm

Scene no.	Remark	Running time(mm ss)
0	Scene 0	0:5
1	Scene 1	0:5
2	Scene 2	0:5
3	Scene 3	0:5

1. Выберите Область

2. Введите № Сцены, От начальной сцены до окончной

3. Примечание к Сцене

4. Установки Сцен

Scene information

Chn no.	Remark
1	Chn 1
2	Chn 2

Scene modification

Remark...

Scene setup...

Exit

Scene restore

Scene restore...

Area information

Total area 2

Scene information

Current scene no. 0

Start scene no. 0

End scene no. 3

Communication wavPibernet Current IP192.168.10.121 Total Devices9 Rest resolution...

HDL-BUS Pro Setup tool V10.18.37-Beta.04

Setup (S) | Address management | Devices (D) | Test Relay / Dimmer (C) | Test Relay / Dimmer (Channel Test) | Touch Screen | Data backup and restore | Advanced Tools (T) | User management (U) | Help (H)

4ch 16A Intelligent relay module

1 Device | 2 Area | 3 Channel

Scene setup

Select device
Device: 1-5

Input scene no. from

Scene information

Scene no.	Remark
0	Scene 0
1	Scene 1
2	Scene 2
3	Scene 3

Basic information

Data acquisition mode: Device: Model: SB-DN-R0416

Subnet ID: 1 Device ID: 5

Remark:

Modify scene running time

Scene no.	Remark	Running time (mm ss)
0	Scene 0	0.5
1	Scene 1	0.5
2	Scene 2	0.5
3	Scene 3	0.5

Current scene information

Current area: 1- Current scene: 1

Modify running time synchronously

Modify on/off status synchronously

ON-site output scene

Modify on/off status of current scene

Channel no.	Remark	ON/OFF status
1	Chn 1	On
2	Chn 2	Off

Scene restore

Scene restore...

Area information

Total area: 2

Scene information

Current scene no.: 0

Start scene no.: 0

End scene no.: 3

Scene modification

Remark...

Scene setup...

Edit channels remark...

Save

Scene

Communication wav/Ethernet | Current IP192.168.10.121 | Total Devices9 | Best resolution

2. Установите время запуска сцены – плавность запуска за указанное время.

3. Установите состояние каждого канала

1. Нажмите установки Сцен

4. Сохраните Сцену

Set restore scene after power on

Basic information

Subnet ID 1 Device ID 5

Model SB-DN-R0416 Remark

Max area No. 2

Synchronous modification to restore mode after power on

Scene information of restore mode after power on for each area

Area number	Restore mode after power on	Scene No.	Area remark
1	Specified scene	0	
2	Scene before power off	Scene before power off	

Save Exit

Scene restore

Scene restore...

Area information

Total area 2

Scene information

Current scene no. 0

Start scene no. 0

End scene no. 3

Scene modification

Remark...

Scene setup...

Material...

Exit

Выберите сцену которая отработает при восстановлении электроэнергии

Scene

Communication wavEthernet

Current IP192.168.10.121

Total Devices9

Best resolution

Шаги последовательности –
Сцены вызываемые каждый шаг

Последовательности

1. Настройки примечания
последовательности

2. Настройки
последовательности

Sequence	Remark	Mode	Times	Step totaly	Status
1	Sequence 1	Forward mode	2	4	useable
2		Invalid	Unlimited	4	useable

Step no.	Scene no.	Step time (mm ss)
1	1-Scene 1	0:2.5
2	3-Scene 3	0:2.5
3	2-Scene 2	0:2.5
4	0-Scene 0	0:5.5

1. Выбрать режим последовательности

2. Введите количество шагов

3. Сохранить настройки

The screenshot shows the 'Edit step' dialog box in the HDL-BUS Pro Setup tool. The dialog is divided into several sections:

- Basic information:** Displays device details such as Model (SB-DN-R0416), Subnet ID (1), Device ID (5), and Remark.
- Modify step information:** A table for configuring individual steps in a sequence.

Step no.	Scene no.	Step time (mm ss)
1	1	0.2.5
2	3	0.2.5
3	2	0.2.5
4	0	0.5.5
- Buttons:** Includes a 'Save' button and a checkbox for 'Modify step time synchronously'.

Annotations in the image indicate the following steps:

- 1. Настройки шага последовательности:** Points to the 'Step...' button in the 'Modify step' section.
- 2. Назначить сцены каждому шагу:** Points to the 'Scene no.' column in the 'Modify step information' table.
- 3. Установить время:** Points to the 'Step time (mm ss)' column in the 'Modify step information' table.
- 4. Сохранить:** Points to the 'Save' button.

4 channels 16A relay IV

① Device | ② Area | ③ Channel | ④ Scene | ⑤ Sequence | ⑥ New Functions

Select Device

1. Установить галочку

Chn no.	Remark	Stairs	Close by itself
1	Chn 1	<input type="checkbox"/>	3
2	Chn 2	<input type="checkbox"/>	3
3	Chn 3	<input type="checkbox"/>	3

Лестничный свет: Используйте с датчиком движения, когда датчик заметит движение, он включит свет, который автоматически выключится через заданное время

2. Установите время автоотключения

Prompt: If load Type is on the stairs, you can set a time, after the time(1-3600s), it could be closed by itself. Every two channels make a group. In every group, you can select whether you want to open the two channels at the same time or not.

Chns 1-2 can not be opened at the same time.
 Chns 3-4 can not be opened at the same time.

Read

Если галочка стоит, два канала не смогут быть открыты одновременно, эта функция разработана для управления перекидными реле

New Functions



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