How to use Control USB with Grid 3

There are two ways to use Control USB with Grid 3: adding cells with **direct commands** in grids to perform specific actions, or **configuring the elements** that will be controlled by the user so that you can use them from any of the environment control grids included in the packages Fast Talker 3, Symbol Talker C and D, and Servus.

With direct commands

Steps to follow:

1. Connect Control USB to the computer or tablet that is using Grid 3 and make sure that appears as connected in the Grid 3 - Settings - Environment control - Transmitter.

2. In Grid 3, open and edit the grid where you want to control a device using Control USB.

3. Create a new cell and add a command. The procedure to configure the command will vary depending on whether the item is controlled by an infrared control or with a radio frequency receiver from BJ System.
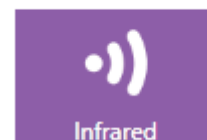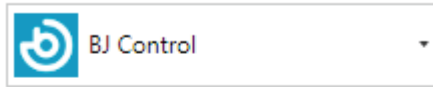
To add **Infrared**

a. Add the **Infrared** command that is in the category of *Environment control.*

b. Choose the transmitter **BJ Control** and click **Learn**.
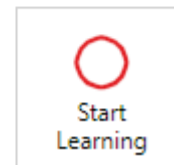
Transmitter

BJ Control ▾

Learn

Line up your remote control about 2 inches from the sensor.

Could not connect to transmitter.
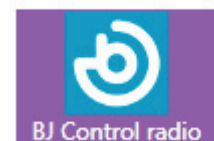
When you are ready, click Learn.

○
Start
Learning

c. Hold your original remote approx. 5 cm from the IR learning window of Control USB (you will see a blue light in the Control USB when in learning mode). Follow the on-screen instructions - you will be asked to hold down the button on the remote, then release. Once the code has been successfully learned, the button will turn green.
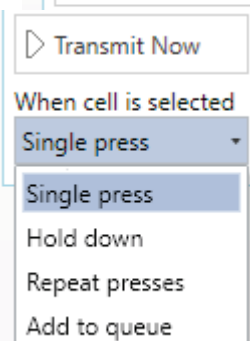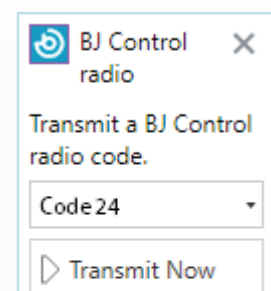
To add **radio frequency**

a. Add the command **BJ Control Radio** that is in the category of Environment control.

b. Select the **code** of the **radio frequency receiver** of the BJ System. Check the manual of the receiver to know the code. For example: Alarm code is 24[1].

Environment control

BJ Control radio

Commands

BJ Control radio ✕

Transmit a BJ Control radio code.

Code 24 ▾

▷ Transmit Now

▷ Transmit Now

When cell is selected

Single press ▾

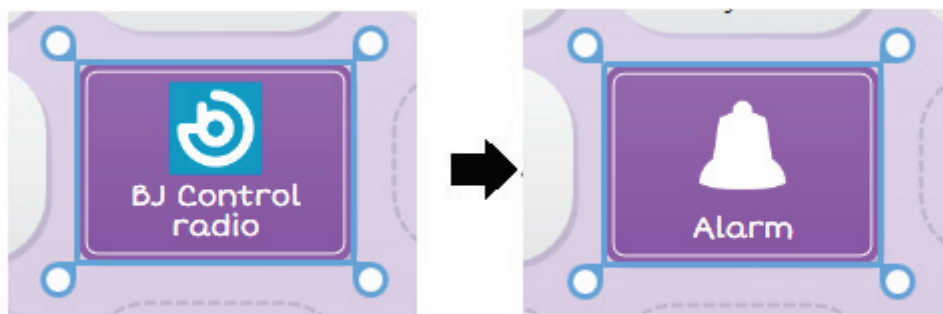| Single press |
| Hold down |
| Repeat presses |
| Add to queue |

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[1] Currently the interface displays "button" instead of "code". It will be changed

    c. Choose how to perform the action when you select the cell: Single press, Hold down, Repeat presses, Add to queue

4. Use the options **Change Label** and **Find Picture** to change the appearance of the cell once the process is finished.
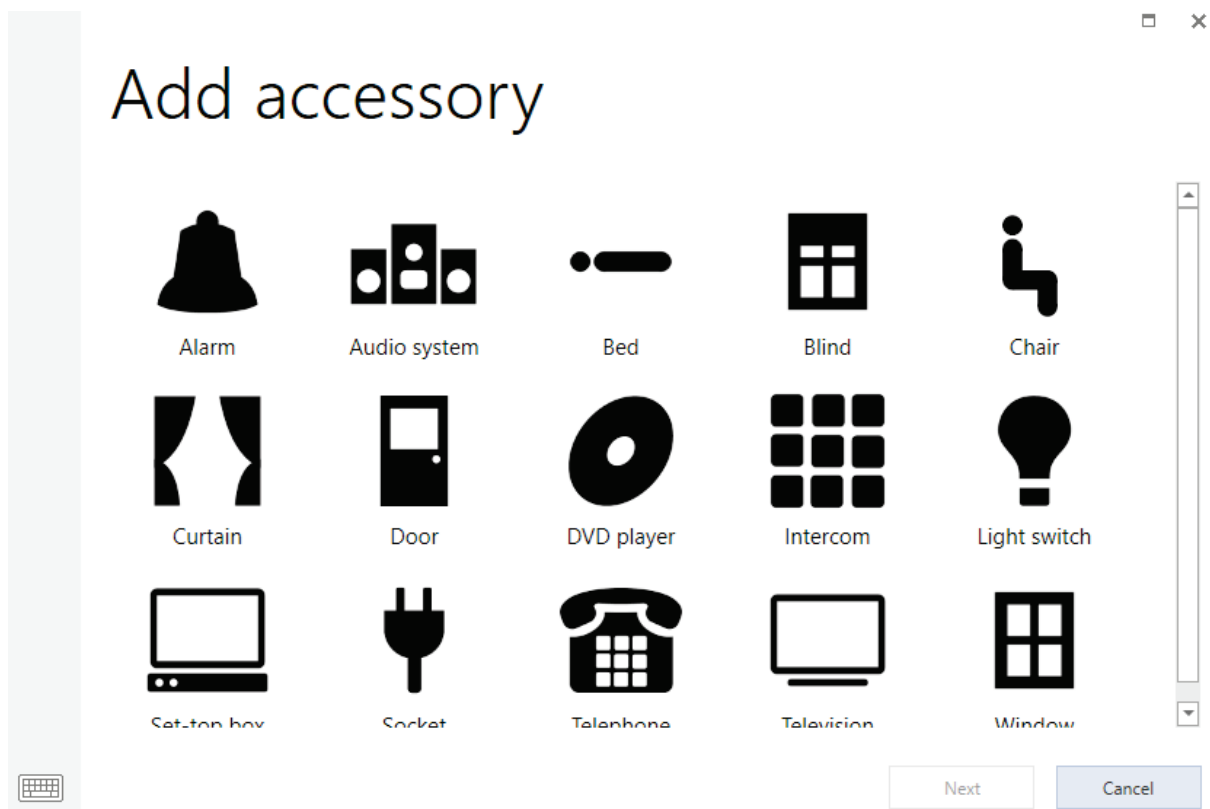

Advantages and Disadvantages

- **Advantages:** Once the grid is designed and the environmental control commands are programmed, you can export the grid set to retrieve it at any time or copy the grid to another grid sets.

- **Disadvantages**: Each time you want to add environment control actions to a grid set, the grids must be added with the environment control commands and link them through jumps (or copy-paste the cells directly).

Configuration of the elements

Steps to follow:

1. Connect Control USB to the computer or tablet that is using Grid 3 and make sure that appears as connected in the Grid 3 - Settings - Environment control - Transmitter.

2. Go to Menu - Settings - Environment control.

3. Under **Elements** choose **Add**, the **element** that you want to add and **Next.**

4. Choose the transmitter **BJ Control**

5. In **Actions**, click on the first button that you want to program and in the dropdown menu select whether to add infrared or a radio frequency code.

To add **Infrared**

(In this example we will look at setting up Grid 3 to control a television, but the same procedure can be followed for other accessories which are controlled by an infrared remote).

a. Click **Learn.**

b. Hold your original remote approx. 5 cm from the IR learning window of Control USB (you will see a blue light in the Control USB when in learning mode). Follow the on-screen instructions - you will be asked to hold down the button on the remote, then release. Once the code has been successfully learned, the button will turn green.

c. Repeat this process for all desired functions, then click OK.

d. Now navigate to the TV page within your grid set (eg Servus) and test.

To add **radio frequency**

Select the **code** of the **radio frequency receiver** of the BJ System. Check the manual of the receiver to know the code. For example: Alarm code is 24.
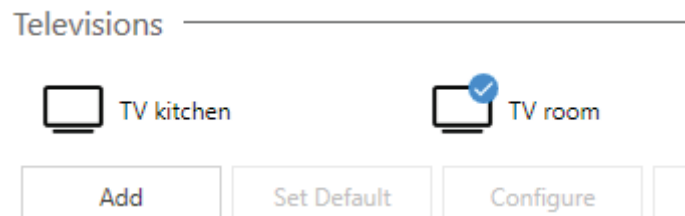
6. Configure all the elements that you want to control following the same procedure.

Other functionalities:

- **Default configuration:**
  If you have more than one item of the same type (for example, different televisions), you can determine which one is the main, and the rest will be secondary elements. By default, the grid sets will work with the main elements.

- **Selection of elements:**
  It is possible to operate and control several elements of the same type from the same grid by using the commands of **selection of elements**. There are three types:

  - **Automatic content** "Televisions": Displays all configured items of the same type in cells of automatic content (in this case: TV kitchen, TV dining room). When selecting one or another, you can control each element using the same grid design.

  - **More televisions:** Changes the cells of automatic content to display all configured televisions.

  - **Select item:** You can specify a particular element.

Advantages and Disadvantages

- **Advantages:** You only need to program once all elements to work in all the grid sets of environment control.

- **Disadvantages:** You can export an item (TV, HiFi, etc.) for reuse with other user without having to re-program all buttons, but it cannot be done from Grid 3. It has to be done manually as shown below:

  1. Close Grid 3 and open the file browser.

  2. Navigate to C:\Users\Public\Documents\Smartbox\Grid 3\Environment Control Accessories. Here is where the configurations of the elements are stored.

  3. To install a new configuration, simply copy the file ".remote" to the folder and open Grid 3 again.

  4. In Configuration (F11), open the tab of Environment control. You will see the device in the list.

  5. From here you can configure and edit the actions of the remote control. The actions will be now available in the grid sets of Environment Control when you create and edit grids.