Radio Rack Application Control System User Manual

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1. Main Interface Instruction

2. Connect to radio rack

Open the software icon on desktop and you will see the connect interface. Input the correct IP address and port, and then press “Connect” to connect to radio rack.

3. Set Value Interface

In this Interface, all attenuation channels can be grouped. The value of each channel can be easily set through its visual interface.
When you want to add a group, you can input the group name and press the Add button. Then you pick the channels you want to show in this group. You can Press the Set button to hide or show the Group Item Control.

Tips: To automatically refresh the attenuation value, press the Auto Refresh in Refresh.

You can change the name of the channel.
Warning: You should press the "Enter" button on PC keyboard to make the change works.

You can click this check box to select this channel for multi-control.

You can change the attenuation by press the + or the - Button, or you can just drag the bar to set attenuation you want.
You can change the attenuation by entering the value and press Send, either.

Set Selected
0.00
dB
Send
Select All
Cancel All
Interval:
0.00
5
10
20
30
You can directly change the selected channels' attenuation value.
You can manually add the value to all selected attenuation value based on their current value.

4. Chart View Interface

In this interface, all attenuation values now can be seen on a beautiful graphic chart. You can choose any channel you want to see on the chart by click the checkbox. Through this graphs, you can easily compare the attenuation status with different channels and their changes.

5. ATT Sweep Interface

All channels' sweep function can be set in this interface. When you have set the parameters of a channel, you can click "Add Task" and the new task will appear in task list.

You will find two button in each task ,"Remove" button can Throw the task and "Run" button can start the task. If you want to control all task, you just need find global setting and choose start all or stop all.

When start to run a single sweep function, the two buttons will automatically change to "Pause" and "Stop".

6. Dynamic Control Interface

In this interface, we simulate a simple situation that a car is moving from one basic tower signal to another.
The check box of “AutoMove” means the car will run as we set these values automatically.

7. IP Configure Interface

In IP Configure, you can read IP information of the device, and change the settings after Check the Submit. Then click the Submit button to make effect.

8. CSV Script Interface

In this interface, it can run a CSV file which edited by client to simulate the attenuation of signals according to their scenario.

We provide a Demo file with the software. The first row is to choose which channels to be set. Each row is a command. The first column is to set the interval between two commands.

9. Access Control

Reserved channel shows as following pictures:

Click Config menu, then choose the “Access Control” to open this window.

The administrator can set a password to one channel, and only the user input the right password of the channel can control it. The buttons below provide a quick way to input multi channels for the same password or release the access to the channels.

If you are the administrator, you can click the “Administrator Login” to input the Administrator password to set the passwords or clear them.

The default administrator’s password is “ACCESS”

If you want to change the Administrator password, click the Change password in Config menu.

Attention: Once you don’t have the right to use one of the channels, you cannot control the channel through Sweep nor VBA Script. And you cannot use default settings in Config menu, either.

10. Simulator

Choose Simulator in Config to open this window.

Set the for BTS on the right, and press CAR 1 or CAR 2 on the buttom to draw the route by left click of the mouse on the screen. Choose auto circle means when running, the route will automatically link the beginning point and the end point. The reversal means cars will go back when reach to the end point.

Press CAR 1 RUN or CAR 2 RUN means running cars separately. Press RUN ALL to run both cars together.