Master Radio

Version 2, build #4, 2023-05-16, edit 2023-05-18

PM Master Radio does not process or output any signal, because it is destined for only use with *Adroit Synthesis'* **Tandem** module.

That **Tandem** module can link one control (knob, slider or button) to another, even bidirectionally. Even different types can be paired.

As master control **PM Master Radio** has to be linked to at least one **Tandem** module. Operating the Master Radio toggle buttons will change the states of coupled buttons. Advantage of PM Master Radio is, that it's toggle buttons can be set by a control voltage. This allows to operate toggle buttons on other modules electrically, what is normally impossible.

This module comes with three select-able skins. A skin change forces skin change of all other P.moon Master Control modules on your computer.

The only job of the Master Radio buttons is to serve as link-able objects for *Adroit Synthesis'* **Tandem** module.

Master label is editable. After a double click on it, you can enter a label text.

On the control area there is an *'n'* knob. It sets the count of visible/usable toggle buttons in a range from 2 to 12.

Without any cable connected to input jack, the other preset knob values do not effect Master Radio function. When a cable is connected, the toggle buttons get disabled for manual operation. For CV operation *min* and *max* knobs set the CV working range.

> min = -10.00 to +9.99 (default: 0.00)

> max = -9.99 to +10.00 (default: 5.00)

Toggle CV values are calculated as follows:

> $deltaCV = (max - min) / n$

A button #a is toggled on, when

> $min + (a-1) \times deltaCV < CV <= min + a \times deltaCV$

Extreme cases:

> toggle #1 is on, when $CV < min + deltaCV$

> toggle #n is on, when $CV >= max - deltaCV$

When the mouse cursor moves on the area of the P.moon logo, a red frame appears.
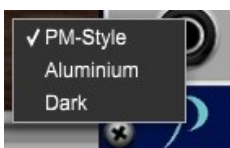
A right click on the logo opens the skin menu. The actual skin name is marked with a hook. If you click on another skin name with left mouse button, that skin will be loaded for this module and for all other Master Control modules on your computer. A left click to anywhere else closes the menu without changing the skin.