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[ctrlr](#) / [Source](#) / [Lua](#) / **CtrlrLuaModulator.cpp**



RomanKubiak ctrlr builds and runs

6a7e576 on 19 Apr 2018

2 contributors



Raw

Blame

History



118 lines (102 sloc) 4.13 KB

```
1  #include "stdafx.h"
2  #include "CtrlrLuaManager.h"
3  #include "CtrlrLog.h"
4  #include "CtrlrModulator/CtrlrModulator.h"
5  #include "CtrlrComponents/CtrlrComponent.h"
6
7  void CtrlrModulator::setValue(const int newValue, const bool force)
8  {
9      processor.setValueGeneric (CtrlrModulatorValue (newValue, CtrlrModulatorValue:
10 }
11
12 /** @brief Set the value of the modulator
13
14     @param newValue the new value for the modualtor
15 */
16 void CtrlrModulator::setValue(const int newValue, const bool force, const bool mute)
17 {
18     processor.setValueGeneric (CtrlrModulatorValue (newValue, CtrlrModulatorValue:
19 }
20
21 void CtrlrModulator::setValueMapped (const int newValue, const bool force, const bool r
22 {
23     processor.setMappedValue (CtrlrModulatorValue (newValue, CtrlrModulatorValue::c
24 }
25
26 void CtrlrModulator::setValueNonMapped (const int newValue, const bool force, const bo
```

```
27 {
28     processor.setValueGeneric (CtrlrModulatorValue (newValue, CtrlrModulatorValue:
29 }
30
31 void CtrlrModulator::setModulatorValue(const int newValue, bool vst, bool midi, bool u:
32 {
33     processor.setValueGeneric (CtrlrModulatorValue (newValue, CtrlrModulatorValue:
34 }
35
36 int CtrlrModulator::getValueMapped() const
37 {
38     return (processor.getValueMapped());
39 }
40
41 int CtrlrModulator::getValueNonMapped() const
42 {
43     return (getModulatorValue());
44 }
45
46 int CtrlrModulator::getMaxMapped()
47 {
48     return (processor.getValueMap().getMappedMax());
49 }
50
51 int CtrlrModulator::getMaxNonMapped()
52 {
53     return (getMaxModulatorValue());
54 }
55
56 int CtrlrModulator::getMinMapped()
57 {
58     return (processor.getValueMap().getMappedMin());
59 }
60
61 int CtrlrModulator::getMinNonMapped()
62 {
63     return (getMinModulatorValue());
64 }
65
66 void CtrlrModulator::setValueMappedCompat (const int newValue, const bool force)
67 {
68     setValueMapped (newValue, force);
69 }
70
71 void CtrlrModulator::wrapForLua (lua_State *L)
72 {
73     using namespace luabind;
74
75     module(L)
76     [
77         class_<CtrlrModulator, CtrlrLuaObject>("CtrlrModulator")
78             .def("getValue", &CtrlrModulator::getModulatorValue)
```

```

79         .def("setValue", (void (CtrlrModulator::*)(const int, const bool))&CtrlrModulator::setValue)
80         .def("setValue", (void (CtrlrModulator::*)(const int, const bool))&CtrlrModulator::setValue)
81         .def("setValueMapped", &CtrlrModulator::setValueMapped)
82         .def("setValueMapped", &CtrlrModulator::setValueMappedCompat)
83         .def("setValueNonMapped", &CtrlrModulator::setValueNonMapped)
84         .def("getVstIndex", &CtrlrModulator::getVstIndex)
85         .def("getMaxModulatorValue", &CtrlrModulator::getMaxModulatorValue)
86         .def("getMaxMapped", &CtrlrModulator::getMaxMapped)
87         .def("getMaxNonMapped", &CtrlrModulator::getMaxNonMapped)
88         .def("getMinMapped", &CtrlrModulator::getMinMapped)
89         .def("getMinNonMapped", &CtrlrModulator::getMinNonMapped)
90         .def("getMinModulatorValue", &CtrlrModulator::getMinModulatorValue)
91         .def("getComponent", &CtrlrModulator::getComponent)
92         .def("getRestoreState", &CtrlrModulator::getRestoreState)
93         .def("isRestoring", &CtrlrModulator::getRestoreState)
94         .def("setRestoreState", &CtrlrModulator::setRestoreState)
95         .def("getMidiMessage", (CtrlrMidiMessage &(CtrlrModulator::*)(void))&CtrlrModulator::getMidiMessage)
96         .def("getMidiMessage", (CtrlrMidiMessage &(CtrlrModulator::*)(void))&CtrlrModulator::getMidiMessage)
97         .def("getName", &CtrlrModulator::getName)
98         .def("getValueMapped", &CtrlrModulator::getValueMapped)
99         .def("getValueNonMapped", &CtrlrModulator::getValueNonMapped)
100        .def("getModulatorValue", &CtrlrModulator::getModulatorValue)
101        .def("setModulatorValue", &CtrlrModulator::setModulatorValue)
102        .def("getLuaName", &CtrlrModulator::getName)
103        .def("getModulatorName", &CtrlrModulator::getName)
104        .enum_("CtrlrModulatorValue")
105        [
106            value("initialValue", 0),
107            value("changedByHost", 1),
108            value("changedByMidiIn", 2),
109            value("changedByMidiController", 3),
110            value("changedByGUI", 4),
111            value("changedByLua", 5),
112            value("changedByProgram", 6),
113            value("changedByLink", 7),
114            value("changeByUnknown", 8)
115        ]
116    };
117
118 }
```