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**Handmade  
Electronic Music  
The Art Of  
Hardware  
Hacking By  
Nicolas Collins**

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music hardware hacking  
workshop***

*May 27th, 2020 - nicolas  
collins is an artist the  
editor in chief of the  
leonardo music journal  
and a professor in the  
department of sound at*

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*the school of the art  
institute of chicago his  
book handmade electronic  
music the art of hardware  
hacking routledge has  
influenced emerging  
electronic music  
worldwide free and open  
to all'*

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**'handmade electronic  
music greater phoenix  
digital  
May 14th, 2020 -  
handmade electronic  
music the art of  
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provides a long needed**

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students of electronic  
music installation and  
sound art to the craft of  
making as well as  
creatively cannibalizing  
electronic circuits for  
artistic purposes**

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**designed for practioners  
and students of  
electronic art it provides  
a guided tour through  
the world of electronics'  
'handmade electronic  
music with nicolas  
collins osh park  
May 13th, 2020 - nicolas**

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**collins is well known for  
having written  
handmade electronic  
music the art of  
hardware hacking  
provides a long needed  
practical and engaging  
introduction to the craft  
of making as well as**

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electronic music the art  
of hardware hacking**

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provides a long needed  
practical and engaging  
introduction to the craft  
of making as well as  
creatively cannibalizing**

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artistic purposes with a  
sense of adventure and  
no prior knowledge the  
reader can subvert the  
intentions designed into  
devices such as radios  
and toys to discover a  
new sonic world'**

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music the art of  
hardware hacking**

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music the art of hardware  
hacking provides a long  
needed practical and  
engaging introduction for

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1997 he has been editor  
in chief of the leonardo  
music journal he is  
currently chair of the  
department of sound at  
the school of the art  
institute of chicago recent*

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*recordings are available  
on platelunch periplum  
and apestaartje his book  
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music the art of hardware  
hacking will be published  
by routledge in 2006'*

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of hardware hacking  
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artistic purposes'  
'handmade electronic  
music the art of  
hardware hacking**

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hacking 1 rt75921 fm indd  
1 2 9 06 7 24 43 pm 2  
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stringent efforts by all  
concerned in the  
publishing process some

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to bring these items to our  
attention where they  
represent errors of  
substance'

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music the art of**

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**hardware hacking  
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hardware hacking  
provides a long needed  
practical and engaging  
introduction for  
students of electronic**

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sound art to the craft of  
making as well as  
creatively cannibalizing  
electronic circuits for  
artistic  
purposes" postponed nic  
collins handmade  
electronic music 3rd**

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May 7th, 2020 - nic collins  
returns to quimby s for the  
release of the third edition  
of his book handmade  
electronic music the art of  
hardware hacking  
routledge on saturday  
june 20th handmade  
electronic music the art of

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provides a long needed  
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**May 15th, 2020 -**  
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**music the art of**  
**hardware hacking first**  
**edition routledge new**  
**york 2006 a call for**  
**silence sonic arts uk**  
**2004 hardware hacking**

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manual i wrote for my  
hacking course and first  
workshops that  
eventually became  
handmade electronic  
music as published by  
routledge"handmade  
electronic music the art**

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hacking provides a long  
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the craft of making as well  
as creatively cannibalizing  
electronic circuits for  
artistic purposes with a  
sense of adventure and  
no prior knowledge the*

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*reader can subvert the  
intentions designed into  
devices such as radios  
and toys to discover a  
new sonic world'*

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hardware hacking**

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music the art of  
hardware hacking  
provides a long needed  
practical and engaging  
introduction to the craft  
of making as well as  
creatively cannibalizing**

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**electronic circuits for  
artistic purposes'**

**'fun with sea moss or  
basic digital sound  
devices**

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with sea moss or basic  
digital sound devices by**

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**sebastian tomczak  
please email stomczak e  
access au for blah  
blahing please note that  
the construction of a  
square wave oscillator  
using a hex inverter  
integrated circuit and  
then using it to control a**

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**digital binary counter  
integrated circuit is  
taken from the excellent  
reference'**

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lonergan format book  
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*routledge 2006'*

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making as well as  
creatively cannibalizing  
electronic circuits for  
artistic**

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of hardware hacking  
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practical and engaging**

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of making as well as  
creatively cannibalizing  
electronic circuits for  
artistic purposes with a  
sense of adventure and  
no prior knowledge the  
reader can subvert the  
intentions designed into**

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and toys to discover a  
new sonic world'**

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introduction to the craft of  
making as well as  
creatively cannibalizing

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artistic purposes'

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electronic music the art**

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provides a long needed  
practical and engaging  
introduction to the craft  
of making as well as  
creatively cannibalizing  
electronic circuits for  
artistic purposes with a  
sense of adventure and**

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**no prior knowledge the  
reader can subvert the  
intentions designed into  
devices such as radios  
and toys to discover a  
new'**

***'handmade electronic  
music hardware hacking  
workshop***

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workshop participants  
should bring one  
loudspeaker 10cm  
diameter or larger raw  
speaker or enclosed in a  
cabinet box not a powered  
speaker bigger is better a  
soldering iron lightweight*

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*fine point hand tools  
diagonal cutters wire  
strippers a knife etc one  
nine volt battery nicolas  
collins is an artist the  
editor in chief of the  
leonardo music journal  
and a professor in  
the" **handmade***

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***electronic music the art  
of hardware hacking***

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music the art of hardware  
hacking provides a long  
needed practical and  
engaging introduction to  
the craft of making as well*

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*as creatively cannibalizing  
electronic circuits for  
artistic purposes with a  
sense of adventure but no  
need for prior knowledge  
the reader can subvert the  
intentions designed into  
devices such as radios  
and toys to discover a*

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*new sonic*

*world'***handmade**

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engaging introduction to the craft of making as well as creatively cannibalizing electronic circuits for artistic purposes with a sense of adventure and no prior knowledge the reader can subvert the intentions designed into

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and toys to discover a  
new sonic world'

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**scratch data cards and**  
**cassette tapes with a**

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boombox from the dvd  
in handmade electronic  
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hardware hacking  
routledge 2009'**

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electronic music the art  
of hardware hacking  
was published by  
routledge an expanded  
updated edition was  
published in 2009 he  
was a major influence  
on the establishment of**

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in basic electronic  
principles always from  
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electronic music the art of

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provides a long needed  
practical and engaging  
introduction to the craft of  
making as well as  
creatively cannibalizing  
electronic circuits for  
artistic purposes with a  
sense of adventure and

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no prior knowledge the  
reader can subvert the  
intentions designed into  
devices such as radios  
and toys to discover a  
new sonic'

**'handmade electronic  
music hardware**

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**workshop w nicolas  
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handmade electronic  
music hardware  
workshop w nicolas  
collins so i spent the  
first weekend in may the  
first sunny one of the  
year i might add with 17**

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**other like minded  
individuals in a very  
nice but practically  
windowless room in the  
science gallery trinity  
college making things  
that make noise'**

***'handmade electronic***

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hardware hacking***

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*music the art of hardware*

*hacking author nicolas*

*collins paperback 272*

*pages publisher routledge*

*1 edition march 2006 isbn*

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but essential hacking  
skill from the dvd in  
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hardware hacking  
routledge 2009" *nicolas  
collins handmade  
electronic music***

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at routledge invited me to  
elevate my drawings and  
prose to a publishable  
state and the result was  
handmade electronic  
music the art of hardware  
hacking 2006 an  
expanded second edition*

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*was published in 2009'*

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clips by various artists  
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needed practical and

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making as well as  
creatively cannibalizing  
electronic circuits for  
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electronics"

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