

03003 Min =8.6365e-07

<CsoundSynthesizer>

The goal of this manual is to provide an easy-to-read introduction to Csound. It is intended as an introduction-tutorial-reference hybrid, gathering together the most important information you will need for working with Csound in a variety of situations.

In the spring of 2010, a group of Csounders embarked upon a project to write a Csound FLOSS manual.

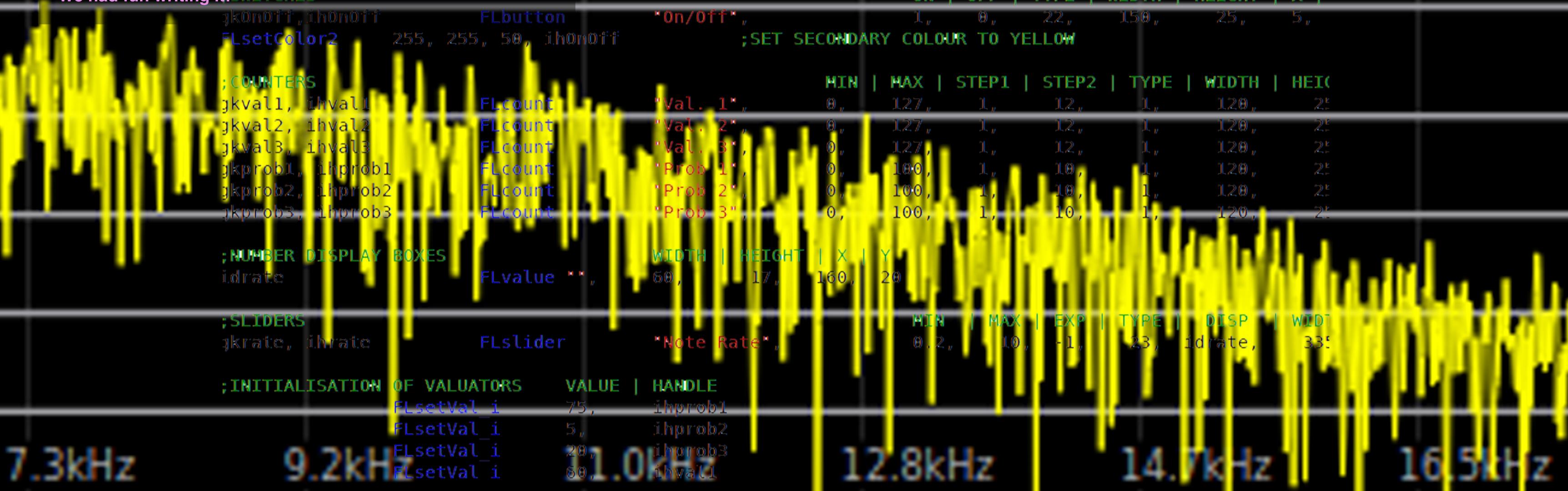
The first release was in the spring of 2011 and has been available as a printed book.

The content of this textbook has been grown considerably since the first print.

All Csound users are invited to improve or update this book.

You can create an account at  
<http://booki.flossmanuals.net>

and ask us to add you as an editor, or simply let us know your suggestions. We hope you enjoy using this manual.

We had fun writing it! 

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; SAMPLE RATE
; NUMBER OF AUDIO SAMPLES IN EACH CONTROL CYCLE
; NUMBER OF CHANNELS (1=MONO)
; MAXIMUM AMPLITUDE REGARDLESS OF BIT DEPTH

/*///////////////////////////////////////////////////////////////////////// FLTK INTERFACE CODE ///////////////////////////////
FLcolor 255, 255, 255, 0, 0, 0 ;SET INTERFACE COLOURS
LABEL | WIDTH | HEIGHT | X | Y
FLpanel "GEN41", 500, 200, 0, 0

/*///////////////////////////////////////////////////////////////////////// MAIN CONTROL ///////////////////////////////
ON | OFF | TYPE | WIDTH | HEIGHT | X | Y
1, 0, 22, 150, 25, 5, 5

;SET SECONDARY COLOUR TO YELLOW

jkonoff, ihonoff FLbutton "On/Off", 1, 0, 22, 150, 25, 5, 5
FLsetColor2 255, 255, 50, ihonoff

;COUNTERS
jkval1, ihval1 FLcount "Val. 1", 0, 127, 1, 12, 1, 120, 2
jkval2, ihval2 FLcount "Val. 2", 0, 127, 1, 12, 1, 120, 2
jkval3, ihval3 FLcount "Val. 3", 0, 127, 1, 12, 1, 120, 2
jkprob1, iprob1 FLcount "Prob 1", 0, 100, 1, 10, 1, 120, 2
jkprob2, iprob2 FLcount "Prob 2", 0, 100, 1, 10, 1, 120, 2
jkprob3, iprob3 FLcount "Prob 3", 0, 100, 1, 10, 1, 120, 2

;NUMBER DISPLAY BOXES
idrate FLvalue **, 60, 17, 160, 20

;SLIDERS
jkrate, ihrate FLslider "Note Rate", 0, 2, 10, -1, 23, idrate, 335

;INITIALISATION OF VALUATORS
FLsetVal_i 75, ihprob1
FLsetVal_i 5, ihprob2
FLsetVal_i 20, ihprob3
FLsetVal_i 60, ihval1
```

7.3kHz

9.2kHz

11.0kHz

12.8kHz

14.7kHz

16.5kHz

# CSOUND

## computing audio since 1986