

MIDIsonar datastructure v3.0

Datastructure is a two dimensional array of integers.

It contains two rows:

row	controller
[0]	A
[1]	B

It contains twelve columns:

column	menu	item	mode	name	values	type	constraint	Def A	Def B
[0]	1	1	-	ACTV	0 (OFF) 1 (ON)	2		1	1
[1]	1	2	-	TYPE	1 (CTRL) 2 (NOTE) 3 (CHRD) 4 (PBNB)	3		1	2
[2]	1	3	-	CHNL	1 -16 (midi channel)	1		2	2
[3]	2	1	-	LDST	5 - 80 (cm in stappen van 5)	1		5	5
[4]	2	2	-	HDST	5 - 80 (cm in stappen van 5)	1	HDST > LDST	50	50
[5]	2	3	-	POLR	0 (NEG) 1 (POS)	4		1	1
[6]	3	1	CTRL	CTRL	0-127 (midi cc value)	1		7	7
[7]	3	2	CTRL	LVAL	0-127	1		0	0
[8]	3	3	CTRL	HVAL	0-127	1	HVAL > LVAL	127	127
[9]	4	1	NOTE	SCAL	1 (CHR) Chromatic 2 (MAJ) Major 3 (MIN) Minor 4 (MMI) Melodic Minor 5 (HMI) Harmonic Minor 6 (WHL) Whole Tone	5		1	1

					7 (MAB) Major Blues 8 (MIB) Minor Blues 9 (MA5) Major Pentatonic 10 (MI5) Minor Pentatonic 11 (8WH) Octatonic Whole Half 12 (8HW) Octatonic Half Whole				
[10]	4	2	NOTE	ROOT	12-119 (midi note nr)	6		60	60
[11]	4	3	NOTE	RANG	1-24 (steps)	1		24	24
[12]	5	1	CHRD	PROG	1 (MAJ) Major 2 (MIN) Minor 3 (MAB) Major Blues 7th 4 (MIB) Minor Blues 7 th 5 (POP) Pop 6 (JAZ) Jazz 7 (MOD) Modal 8 (GSP) Gospel 9 (PBL) Pachelbel	7		1	1
[13]	5	2	CHRD	ROOT	12-119	6		60	60
[14]	5	3	CHRD	RANG	1-14 (steps)	1		14	14
[15]	6	1	PBND	TYPE	1 (UP) Bend Up 2 (DWN) Bend Down 3 (U+D) Bend Up and Down	8		3	3
[16]	6	2	PBND	NTRL	1 (10%) 2 (20%) 3 (30%)	9		2	2
[17]	6	3	PBND	PBFX	1 (FLW) Flowing 2 (STP) Stepping	10		1	1