Sword of Mana Hex Edit Guide

by curambar

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| 1. Intro |
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When I played this game, I had some trouble finding certain quest items, such as Bubu Worms or Moon Drops. I looked for these codes everywhere, but they seemed to be nowhere. Then I remembered what my dad said: "If you want something to be done, do it yourself". After that, I started looking for the codes myself, using the cheat utility included in VisualBoy Advance.

VERSION 0.3:

Weapon and Levels EXP Hex edit guide Codebreaker Major math mumbo-jumbo

vERSION 0.2:

Added codes for the US version. Corrected some tpyos ^_^ Added Magic Rope and Popoi's Notebook Added Weird Items (Thanks to Dan Sawchuk for the data) Added Level, Exp and stuff. Added Number of Killed Monsters Some esthetic changes

Version 0.1:

Just started, all the item codes available.

| 3. The Codes |

3.0. How To Use

If you want to use this codes, you'll need an emulator that allows hex cheat codes, such as VisualBoy Advance. Usually, the codes have the format

XXXXXXXX:YY or XXXXXXXX:YYYY

where XXXXXXXX is the memory address, YY is the value of that address for 1 byte codes (from 0 to 255), and YYYY the value for 2 byte codes (from 0 to 65535), in hexadecimal format.

For example, if I need 80 Chocolumps, the code is 02020D6A:50, and if I need to have 999 Batmos killed, the code is 02020F72:03E7

If you need a value in hex, I advise you to use the calculator included with Windows, if you select the option Scientific, you'll be able to calculate hex values. Otherwise, I'll leave some values here:

The codes will be listed in the following format:

_____ |Code 02020XXX:YY |Replace XXX with: |USA EUR Item ____ ____ |---|D38 D48 Cactus Essence | |D3A D4A Mana Pendant |D3C D4C Rusty Sword |D3E D4E Moon Mirror |... _____

The first part of the code is given (02020, in this case), and you have to replace the last 2 or 3 digits of the memory address for the ones in the chart, depending on the rom version you're using [QUICK HINT: when you start the game, your character will be having a bad dream. If you see an intro with a tree and some legend about the tree and the goddess and such, you're playing the USA version. If the intro is not there, you're playing the EUR version]. As for the YY, it represents the amount of such item. Say, if you need 99 of them, you will replace it for 63 (that's 99 in hex).

3.1. Items

3.1.1. Event Items _____ Code 02020XXX:YY Replace XXX with: USA EUR Item --- ---____ D38 D48 Cactus Essence D3A D4A Mana Pendant D3C D4C Rusty Sword D3E D4E Moon Mirror D40 D50 Control Room Key D42 D52 Gold Key D44 D54 Silver Key D46 D56 Leaflet D48 D58 Glittering Sword D4A D5A Glittering Armour D4C D5C Glittering Helm D4E D5E Dudbear's Gold D50 D60 Honey D62 .Keepsake Pendant D52 D54 D64 . Silver Knife D56 D66. Blood Pouch ED0 EE0 Courtney's Letter ED2 EE2 Kurt's Letter ED4 EE4 Barbecued Newt ED6 EE6 Barbecued Tail ED8 EE8 Invoice EDA EEA Black Mask EEC EDC Moon Drop EDE EEE Cancun Feather EF0 BubU Worm EE0 EE2 EF2 Light Geode EF4 Dark Geode EE4 EE6 EF6 Moon Geode Fire Geode EE8 EF8 EEA EFA Water Geode EEC EFC Wood Geode Wind Geode EEE EFE EFO FOO Earth Geode EF2 F02 Sword of Mana 3.1.2. Recovery Items _____

Code 02020DXX:YY

58	68	Gumdrop
5A	6A	Chocolump
5C	6C	Honey Elixir
5E	6E	Magic Walnut
60	70	Prestoveggie
62	72	Stardust Herb
64	74	Angel Grail
66	76	GummiFrog
3.1.3	. Miste	ery Items

USA EUR Item

Remember that Amigo Whistle only appears during battle.

Code 02020DXX:YY

Replace XX with:

USA	EUR	Item
68	78	Blink Weed
6A	7A	Potent Posy (Fragrant Flower)
6C	7C	Tone Stone
6E	7E	Dream Reed
70	80	Magic Rope
72	82	Poi Poi's Notebook (Not an actual item, more like a menu ^^)
74	84	Tiny Tapper
76	86	Amigo Whistle

3.1.4. Trait Coins

Remember that Trait Coins only appear during battle.

Code 02020DXX:YY

USA	EUR	Item
78	88	Light Coin
7A	8A	Dark Coin
7C	8C	Moon Coin
7E	8E	Fire Coin
80	90	Water Coin
82	92	Wood Coin
84	94	Wind Coin
86	96	Earth Coin

Remember that Spirit Icons only appear during battle.

Code 02020DXX:YY

Replace XX with:

USA	EUR	Item
88	98	Wisp Icon
8A	9A	Shade Icon
8C	9C	Luna Icon
8E	9E	Salamander Icon
90	AO	Undine Icon
92	A2	Dryad Icon
94	A4	Jinn Icon
96	A6	Gnome Icon

3.1.6. Meat Items

Code 02020DXX:YY

Replace XX with:

USA	EUR	Item
98	A8	Animal Meat
9A	AA	Thin Meat
9C	AC	Insect Meat
9E	AE	Lizard Meat
AO	в0	Bird Meat
A2	В2	Morph Meat
A4	В4	Fish Meat
A6	В6	Magical Meat
A8	В8	Tough Meat
AA	BA	Rotten Meat
AC	BC	Demon Meat
AE	BE	Dragon Meat
BO	C0	Odd Meat
В2	C2	Mixed Meat
В4	C4	Spicy Meat
В6	C6	Phantom Meat

3.1.7. Seeds

Code 02020DXX:YY

USA	EUR	Item	
B8	C8	Round	Seed
BA	CA	Small	Seed

BC	CC	Oblong Seed
BE	CE	Long Seed
	-	
CO	DО	Crooked Seed
C2	בי 20	Flat Seed
C1	D2	Big Seed
C4 C6	DA	Big Seed
0	DO	spiny seed
2 1 0		
3.1.8	. Frui	LS
a 1		
Code	020200.	XX:YY
D 1		
Repla	ce XX 1	with:
USA	EUR	ltem
C8	D8	Bellgrapes
CA	DA	Diceberry
CC	DC	Peach Puppy
CE	DE	Applesocks
D0	ΕO	Orange'opus
D2	E2	Citrisquid
D4	E4	Springanana
D6	ЕG	Mangolephant
D8	E8	Rocket Papaya
DA	EA	Loquat-Shoes
DC	EC	Boarmelon
DE	EE	Pine O'Clock
ΕO	FO	Rhinolupe
E2	F2	Kittypie
E4	F4	Cherry Bombs
E6	F6	Fishy Fruit
3.1.9	. Veggi	ies
Code	02020X	XX:YY
Repla	ce XXX	with:
11012 10		
USA	EUR	Ttom
DE 8	DF8	Lilipods
DEA	DEA	Masked Potato
DEC	DEC	Spiny Carrot
DEC	DFC	Honoy Onion
UEE	DEE	HOHEY OHITOH
⊓ਞ੦	FOO	Cornflower
	E00	Dolphin Sourch
		Cabbadilla
DE4	EU4 EOC	Canaduratio
	EU0 EOO	Voodlettus
DER	EU8	Neeqlettuce
DFA	LUA	whatamato
DFC	LUC	Urcapiant
DFE	EUE	musn-in-a-Box

E00 E10 Bumpkin E02 E12 Garlicrown E04 E14 Heart Mint E06 E16 Spade Basil

3.1.10. Weird Items (Thanks to Dan Sawchuk who made me note this weird thing)

I think these codes are useless, they are for some items called "Shields" and "Eggs", but they don't appear in the regular item screen, but in the sell screen in any shop. My guess is that they were supposed to be regular items in the game but they were dropped for some reason. The blank fifth row in the armor subscreen makes me wonder... but I disgress. If you want to see them, though, here they are:

Code 02020EXX:YY

USA	EUR	Item
08	18	Holy Shield
0A	1A	Dark Shield
0C	1C	Moonlight Shield
ΟE	1E	Burning Shield
1.0	20	SooMist Shiold
10	20	Arbor Shield
14	22	Arbor Shield
14	24	Anemoi Shield
10	26	Terra Snield
18	28	Diamond Shield
A4	B4	Fauna Egg
A6	В6	Flora Egg
A8	в8	Insect Egg
AA	BA	Reptile Egg
AC	BC	Fowl Egg
AE	BE	Amorph Egg
ЪŲ	C 0	Fich For
в0 в2	C0 C2	Magigali Egg
	C2	Magicali Egg
B4 DC	04	Deminuman Egg
BO		Daman Dam
Bo	60	Demon Egg
BA	CA	Dragon Egg
3.1.11	. Acce	esories
Code ()2020EX	XX:YY
Replac	ce XX w	vith:
USA	EUR	Item

20	30	BB Ring
22	32	Gem Ring

24	34	Cicada Earrings
26	36	Quartz Ring
28	38	Cobra Earring
2A	ЗA	WhiteLight Ring
2C	3C	Fiend Fang
2E	3E	Bandit Earrings
30	40	Red Moon Horn
32	42	D-Fence Ring
34	44	Mist Pendant
36	46	Knight Crest
38	48	Gjallar Horn
ЗA	4A	Dragon Choker
3C	4C	Sage Stone
3E	4E	Cardinal Eye
40	50	FlameFlicker
42	52	Draupnir
44	54	General Crest
46	56	Dragon Ring
48	58	Rune Earrings
4A	5A	Code Bead
4C	5C	Wishbone
4E	5E	Crystal Ring
AO	в0	Brownie Ring
A2	В2	Bath Set
CC	DC	Belle Bell
CE	DE	Chimpfish Iris
3.1.12	2. Raw	Materials
Code ()2020E>	XX:YY
Replac	ce XX v	with:
USA	EUR	Item
50	60	Topple Cottop
52	62	Sultan Silk
54	64	Jadd Hemp
56	66	Altena Felt
58	68	Oak Wood
5A	6A	Holly Wood
50	60	Baobab Wood
5E	6E	Charcoal
60	70	Ash Wood
62	72	Dion wood
64	74	Mistletoe Wood
66	76	Fossil Wood
68	78	Animal Hide
6A	7A	Gator Skin
6C	7C	Centaur Hide
6E	/E	Pegasus Hide
70	80	Animal Bone

EUR VERSION			
n o bytes. Ine			
a 3 hutas mha	addresses	are	
tilda Card			
ia Card			
siouli lara			
te Card			
kiehl Card			
lva Card			
em			
n:			
ΥY			
Summon Items o	nly appear	during	battle
1tems 			
Theme			
YSTAL			
dan Stone			
sidian			
cble			
nek Aerolite			
nk Aerolite			
l Aerolite			
ke Aerolite			
agon Scale			
ake Scale			
zard Scale			
sh Scale			
ichalcum			
thril Silver			
ia Lead			
tena Allov			
rimar Iron			
anz Steel			
rsena Iron			
nos Bronze			
ssil			
ack Bone			
	ephant Tusk ack Bone ssil aos Bronze	ephant Tusk ack Bone ssil nos Bronze	ephant Tusk ack Bone ssil nos Bronze

02020D22:YY 02020D32:YY

The maximum lucre is 99999 (01869F in hex), so you'll need the codes

3.1.15. Monsters Killed

This codes are really useful for getting the black monsters. I'm NOT writing down the name of each monster, you have the numbers in the Popoi's notebook :p

[For a quick alternative with Codebreaker, see the bottom of the chart]

Code 0202XXXX:YYYY

YYYY is 2 byte, thus, for 999 monsters killed, use 03E7, or use 03E8 for 1000 (Black) monsters.

Replace XXX with:

USA EUR Monster # _____ ____ 0F38 0F48 001 0F3A 0F4A 002 0F3C 0F4C 003 OF3E OF4E 004 0F40 0F50 005 0F42 0F52 006 0F44 0F54 007 0F46 0F56 008 0F48 0F58 009 0F4A 0F5A 010 0F4C 0F5C 011 OF4E OF5E 012 OF50 OF60 013 OF52 OF62 014 0F54 0F64 015 OF56 OF66 016 OF58 OF68 017 0F5A 0F6A 018 0F5C 0F6C 019 OF5E OF6E 020 0F60 0F70 021 OF62 OF72 022 0F64 0F74 023 0F66 0F76 024 0F68 0F78 025 0F6A 0F7A 026 0F6C 0F7C 027 OF6E OF7E 028 0F70 0F80 029 0F72 0F82 030 0F74 0F84 031 0F76 0F86 032 OF78 OF88 033 0F7A 0F8A 034 0F7C 0F8C 035 OF7E OF8E 036

0F80	0F90	037					
0F82	0F92	038					
0F84	0F94	039					
0F86	0F96	040					
0F88	0F98	041					
0F8A	0F9A	042					
0F8C	0F9C	043					
0F8E	0F9E	044					
0F90	0FA0	045					
0F92	0FA2	046					
0F94	0FA4	047					
0F96	0FA6	048					
0F98	0FA8	049					
0F9A	0FAA	050					
0F9C	0 FAC	051					
0F9E	OFAE	052					
OFAO	0FB0	053					
0FA2	0FB2	054					
0FA4	0FB4	055					
0FA6	0FB6	056					
0FA8	0FB8	057					
OFAA	OFBA	058					
OFAC	OFBC	059					
OFAE	OFBE	060					
OFBO	0FC0	061					
0FB2	0FC2	062					
0FB4	0FC4	063					
0FB6	0FC6	064					
0FB8	0FC8	065					
OFBA	OFCA	066					
OFBC	OFCC	067					
OFBE	OFCE	068					
0FC0	OFDO	069					
0FC2	0FD2	070					
0FC4	0FD4	071					
0FC6	0FD6	072					
0FC8	0FD8	073					
OFCA	0FDA	074					
OFCC	OFDC	075					
OFCE	OFDE	076					
OFDO	OFEO	077					
0FD2	0FE2		\backslash				
0FD4	OFE4		>	Not	listed,	probably	dropped.
0FD6	OFE6		/				
0FD8	OFE8	078					
OFDA	OFEA	079					
OFDC	OFEC	080					
OFDE	OFEE	081					
OFEO	OFFO	082					
OFE2	OFF2	083					
OFE4	OFF4	084					
OFE6	0FF6	085					
0FE8	OFF8	086					
OFEA	OFFA	087					
OFEC	OFFC	088					
OFEE	OFFE	089					
OFFO	1000	090					
OFF2	1002	091					
OFF4	1004	092					
0FF6	1006	093					

0FF8	1008	094
OFFA	100A	095
OFFC	100C	096
OFFE	100E	097
1000	1010	098
1002	1012	099
1004	1014	100
1006	1016	101
1008	1018	102
100A	101A	103
100C	101C	104
100E	101E	105
1010	1020	106
1012	1022	107
1014	1024	108
1016	1026	109
1018	1028	110
101A	102A	111
101C	102C	112
101E	102E	113
1020	1030	114
1022	1032	115
1024	1034	116
1026	1036	117
1028	1038	118
102A	103A	119

Ok, writing down all of these codes is plain nasty. But behold, oh VBA users, for we have the CODEBREAKER!!! CODEBREAKER basically is the same as putting the codes manually, but it has a few pros and cons: It's more complicated, but much more confortable.

We will use a "slide code", that is, a code that repeats itself until we say so. In this case, we want it for our 119 monsters, rite? So, letIs select a CODEBREAKER code (top right button in the cheat menu) and put this code: (Replace YYYY with the number of your choice. 1000 is 03E8 in hex):

USA VERSION EUR VERSION 42020F38 YYYY 42020F48 YYYY 0000004D 0002 000004D 0002 42020FD8 YYYY 42020FE8 YYYY 0000002A 0002 000002A 0002

That's it. Easy, right? For those of you that want to know what the heck are you doing here, keep reading the appendixes, specially the 4.3. Codebreaker.

3.2. Hero specific codes

3.2.1. Level & XP

Your player level is coded in hex, as usual. Remember that if you want lvl 99 you'll have to use hex code 63. Be warned, if you use this code, you'll bypass the lvl-up process, thus not acquiring the stat bonuses nor the class upgrades!

Actually, this code is kinda useless xD

The real way to do this is to mess with the gained XP. This address uses 2 bytes, meaning that if you need 5000 XP, you'll use YYYY = 1388.

Once you use this code, the next enemy you kill will make the "lvl Up" pop up, and you'll have to go through the level up process until you reach the level you're supposed to have with that amount of XP (No idea how much XP for each lvl, sorry). Don't put a big number here (as FFFF) or else the game may freeze.

3.2.2. 999 HP & MP

For a full explanation on how to put different values of HP and MP, please refer to the appendixes, section 4.4. The codes in Sword of Mana.

(*) This code depends directly on the Rod Weapon Level. In this case, as we are playing as the Hero, we don't care. But, if you wanted to have a lvl 99 rod nevertheless, you'd have to put 0202040D:1F instead.

```
3.2.3. Weapon Levels
```

For a full explanation on how to put different values other than 99, please refer to the appendixes, section 4.4. The codes in Sword of Mana.

The following list is for all weapons lvl 99.

USA VERSION	EUR VERSION	
020203F3:63	02020403:63	
020203F6:18	02020406:18	
020203F7:03	02020407:03	
0202040D:18	0202041D:18	(2)
0202040E:8F	0202041E:8F	
0202040F:31	0202041F:31	
02020410:1E	02020420:1E	
02020411:8F	02020421:8F	
02020412:C7	02020422:C7	
02020413:18	02020423:18	

A lot of this lines messes some other parts of the game, so it's not a good idea to let this code activated. For inputting this, it's better to save the game if you wish, pause the game, input the code, go back to the game, and back again to the cheat screen in order to delete all of these codes.

(1) This line messes up the XP of your sword. By using this, you're setting it to 0. If you'd like to put a high value on the sword XP as a bonus, use 02020414:FF instead.

(2) This line depends on the Max HP. If you are using this along with the 999 max HP code, you'll have to use 0202040D:1F instead. Here's a full list of the actual value you have to input here, depending on your current Max HP (that is, if you don't want to accidentally change it)

Ma	ax F	Value	
0	to	127	18
128	to	255	19
256	to	383	1A
384	to	511	1B
512	to	639	1C
640	to	767	1D
768	to	895	1E
896	to	999	1F

3.2.4. Spirit Levels

For a full explanation on how to put different values other than 99, please refer to the appendixes, section 4.4. The codes in Sword of Mana.

The following list is for all spirits lvl 99.

USA VERSION	EUR VERSION
02020421:30	02020431:30
02020422:1E	02020432:1E
02020423:8F	02020433:8F
02020424:61	02020434:61
02020425:3C	02020435:3C
02020426:1E	02020436:1E
02020427:8F	02020437:8F
02020428:C1	02020438:C1
02020429:18	02020439:18

A lot of this lines may mess some other parts of the game, so it's not a good idea to let this code activated. For inputting this, it's better to save the game if you wish, pause the game, input the code, go back to the game, and back again to the cheat screen in order to delete all of these codes.

3.2.5. Class Levels

There's a problem here. If you activate this codes, you'll automatically get a high level some classes, but you won't get the bonuses you get when you go up a level. Also, if I put, for example, all the classes in, let's say, lvl 50,

next time I get a level up, I'll have a hard time selecting which "job" I'll get, because your stats are likely to met full conditions for more than one job. So, I'll put here the variables you need in order to get a specific setting, along with the formula and ranges for each one. For more information, please refer to section 4.5. Each class has it's formula. For each formula, we'll have 2 or three numbers called variables, which we get by doing simple math. Warrior level: Take your level and divide it by 8. The result is A1, the integer rest is A0 Example: Level 29 --> 29:8 = 3The rest is 29 - 3*8 = 5So, A1 = 3, A0 = 5Monk Level: Convert the level into hex. You'll have, in order, B1 and B0. Magician Level: Divide the level by 32. The result is C2. Take the rest and divide it by 2. The result is C1. and the rest is CO. Example: Level 45 --> 45:32 = 1 ==> C2 = 1Rest = 45 - 1*32 = 1313:2 = 6 = C1 = 6Rest = 13 - 2*6 = 1 = > C0 = 1Sage Level: Divide the level by 64. The result is D2. Take the rest and divide it by 4. The result is D1. and the rest is DO. Example: Level 45 --> 45:64 = 0 ==> D2 = 0Rest = 45 - 0*64 = 4545:4 = 11 = D1 = B (11 in hex) Rest = 45 - 4*11 = 1 = > D0 = 1Thief Level: Take your level and divide it by 8. The result is E1, the integer rest is E0 Same as in Warrior Level. Random Level: Convert the level into hex. You'll have, in order, F1 and F0. Once you have all of your desired variables, let's make the codes, shall we? For each code we need to calculate both the first and second words. The first X represents the first word and Y the second one. All of the addresses start with 02020DXX EUR X (1st digit) Y (2st digit) USA ___ _____ _____ ___ 3F X = 2 * A02F Y = A1 30 40 X = B1 + 8*C0Y = B0 X = C2 + 4 * D041 Y = C1 31 32 $42 \quad X = D2 + 2 \times E0$ Y = D1 43 X = F0 33 Y = E134 44 X = 0Y = F1

```
Let's see an example. I'm already a Cleric (That is, I've 5 levels in Sage),
and I want to be a Priest, for which I need 5 levels in Magician and 10 levels
in Sage. So, I need A = 0, B = 0, C = 5, D = 10, E = 0, F = 0. Let's do the
maths, shall we?
A) A = 0 means result and rest equals 0, hence A0 = 0 and A1 = 0.
B) 0 in hex is 00, so B0 = 0, B1 = 0.
C) We divide 5 by 32. The result is 0, and the rest is 5. => C2 = 0
   We take the rest (5), divide it by 2, and we have result 2 and rest 1, thus
   C1 = 2, C0 = 1.
D) We divide 10 by 32. The result is 0, and the rest is 10. \Rightarrow D2 = 0
   We take the rest (10), divide it by 4, and we have result 2 and rest 2, thus
   D1 = 2, D0 = 2.
E) It's all 0's, so E1 = 0 and E0 = 0
F) Same as above, F1 = 0, F0 = 0.
Now let's make the codes.
Address
                              = 0 , Y = A1 = 0 => 02020D2F:00
2F
        X = 2 * A0
                      = 2 * 0
30
        X = B1 + 8*C0 = 0 + 8*1 = 8, Y = B0 = 0 => 02020D30:80
        X = C2 + 4*D0 = 0 + 4*2 = 8, Y = C1 = 2 => 02020D31:82
31
        X = D2 + 2 \times E0 = 0 + 2 \times 0 = 0, Y = D1 = 2 => 02020D32:02
32
                                      , Y = E1 = 0 => 02020D33:00
33
       X = F0
                      = 0
                                       , Y = F1 = 0 => 02020D34:00
        X = 0
                       = 0
34
The only ones we really need to use are the ones that have not only 0's.
Please note you won't automatically win the Priest class, but you'll have to go
up yet another level, whether normally or with the XP cheat code. Then, you go
up a level in some class (related to your desired class) and just then you'll
get your class lvl up.
3.2.6. Stats
_____
Code 02025XXX:YYYY
YYYY is 2 byte, thus, for 999 in all stats, use 03E7
Replace XXX with:
    EUR
USA
           Stat
___
    ____
           ____
A10
    6E0
            POW
A12 6E2
           DEF
    6E4
           INT
A14
A16
    6E6
           MND
A18
    6E8
           AGI
```

^{3.3.} Heroine specific codes

Many of the heroine specific codes are just the same as the hero codes, with an hex 0058 added to the hero address.

3.2.1. Level & XP

Your player level is coded in hex, as usual. Remember that if you want lvl 99 you'll have to use hex code 63. Be warned, if you use this code, you'll bypass the lvl-up process, thus not acquiring the stat bonuses nor the class upgrades! Actually, this code is kinda useless xD

The real way to do this is to mess with the gained XP. This address uses 2 bytes, meaning that if you need 5000 XP, you'll use YYYY = 1388.

USA VERSION	EUR VERSION
02020498:YYYY	020204A8:YYYY

Once you use this code, the next enemy you kill will make the "lvl Up" pop up, and you'll have to go through the level up process until you reach the level you're supposed to have with that amount of XP (No idea how much XP for each lvl, sorry). Don't put a big number here (as FFFF) or else the game may freeze.

3.2.2. 999 HP & MP

For a full explanation on how to put different values of HP and MP, please refer to the appendixes, section 4.4. The codes in Sword of Mana.

(*) This code depends directly on the Rod Weapon Level. If you use this code, you have to be sure your Rod level is below 32. If you wanted to have a lvl 99 Rod here, you'd have to put 02020465:1F instead.

```
3.2.3. Weapon Levels
```

For a full explanation on how to put different values other than 99, please refer to the appendixes, section 4.4. The codes in Sword of Mana.

The following list is for all weapons lvl 99.

USA VERSION EUR VERSION

0202044B:63	0202045B:63	
0202034E:18	0202045E:18	
0202034F:03	0202045F:03	
02020465:18	02020475:18	(2)
02020466:8F	02020476:8F	
02020467:31	02020477:31	
02020468:1E	02020478:1E	
02020469:8F	02020479:8F	
0202046A:C7	0202047A:C7	
0202046B:18	0202047B:18	
0202046C:03	0202047C:03	(1)

A lot of this lines messes some other parts of the game, so it's not a good idea to let this code activated. For inputting this, it's better to save the game if you wish, pause the game, input the code, go back to the game, and back again to the cheat screen in order to delete all of these codes.

(1) This line messes up the XP of your sword. By using this, you're setting it to 0. As we are playing as the heroine, we don't care much. but, if you'd like to put a high value on the sword XP as a bonus, use 0202046C:FF instead.

(2) This line depends on the Max HP. If you are using this along with the 999 max HP code, you'll have to use 02020465:1F instead. Here's a full list of the actual value you have to input here, depending on your current Max HP (that is, if you don't want to accidentally change it)

M	ax H	Value	
0	to	127	18
128	to	255	19
256	to	383	1A
384	to	511	1B
512	to	639	1C
640	to	767	1D
768	to	895	1E
896	to	999	1F

3.2.4. Spirit Levels

For a full explanation on how to put different values other than 99, please refer to the appendixes, section 4.4. The codes in Sword of Mana.

The following list is for all spirits lvl 99.

USA VERSION	EUR VERSION
02020479:30	02020489:30
0202047A:1E	0202048A:1E
0202047B:8F	0202048B:8F
0202047C:61	0202048C:61
0202047D:3C	0202048D:3C
0202047E:1E	0202048E:1E
0202047F:8F	0202048F:8F
02020480:C1	02020490:C1
02020481:18	02020491:18

A lot of this lines may mess some other parts of the game, so it's not a good idea to let this code activated. For inputting this, it's better to save

the game if you wish, pause the game, input the code, go back to the game, and back again to the cheat screen in order to delete all of these codes.

3.2.5. Class Levels

See the Hero codes section for an explanation on how to make the codes.

All the codes start with 02020DXX

USA	EUR	X (1st digit)	Y (2st digit)
87	97	X = 2 * A0	Y = A1
88	98	X = B1 + 8 * C0	У = ВО
89	99	X = C2 + 4 * D0	Y = C1
8A	9A	$X = D2 + 2 \times E0$	Y = D1
8B	9B	X = FO	Y = E1
8C	9C	X = 0	Y = F1

3.2.6. Stats

Code 02025XXX:YYYY

YYYY is 2 byte, thus, for 999 in all stats, use 03E7

Replace XXX with:

USA	EUR	Stat
A10	6E0	POW
A12	6E2	DEF
A14	6E4	INT
A16	6E6	MND
A18	6E8	AGI

| 4. Appendixes |

4.1. Hexadecimal, Decimal and Binary

Computers don't count as we do. We are used to count by using the number 10, meaning that we have 10 separated symbols for expresing quantities (0 to 9). When we reach the number following 9, we are out of symbols, and we start using two symbols at once, starting from the next in the chart. Thus, we write 10.

But, what if we had only 8 symbols? What if we didn't know 8 and 9, for example? We could count 0, 1, 2, 3, 4, 5, 6, 7, and we are out of symbols. So, by following the previous reasoning, we should start using 2 symbols. Which ones? 1 and 0, of course. Then, the following number is 10.

By now, many of you are saying "What are you talking about? If we have the number 7, the next is 8!!" Of course you're right, I'm just stating WHAT IF we didn't have 8 and 9 as numbers. This is what we mathematicians (yes, I am) call

BASE-N numbers.

But why is this relevant to us? Let's return to the computers. AS we said, computers don't have 10 fingers, so it's not natural for them to count with 10 digits. The only natural thing for computers is electricity. If you have an electrical circuit, whether electricity is flowing or not (or, the current in the circuit is low or high). So, computers only know about 2 digits, we may call them ON and OFF, or 1 and 0, or Y and N, as you wish.

What we are about to see is what happens when we try to count with a number of digits other than 10.

4.1.1. Binary (Base-2)

Binary is the name of the BASE-2 numbers. That is, we have ONLY 2 DIGITS for write down numbers, just 0 and 1. So, how are we supposed to count to, let's say, 9?. As we said before, 0 is plain zero, and 1 is plain 1. So far, so good, but what about the next number? Of course, once we are out of symbols, we start stacking them. The next number will be 10. The next one is logical, is 11. Once here, we are again out of symbols. So we'll put yet another one. The next number is 100. Lets clarify this:

REGULAR	BINARY
NUMBERS	NUMBERS
BASE-10	BASE-2
0	0
1	1
2	10
3	11
4	100
5	101
6	110
7	111
8	1000
9	1001
10	1010
11	1011

It's not really that hard. Many scientific calculators include a base utility, allowing you to find out the binary notation of any number. There's even a geek joke, that says "There are only 10 kind of people. The ones that understand binary and the ones that don't" [10 is binary for 2 xD]

Well, back to computers. When you store a number, character, or symbol in a computer, it's stored as a code (for example, @ is 64, A is 65, and so on), but in binary mode. This means that for each capital A you see, what the computer is seeing is the number 01000001. In a hard drive or flash drive, each 1 or 0 represents a magnetic status. By setting this micro magnets up or down, we store or read data from a drive. Each one of this "states" (up or down; on or off) is called BIT. We use bits a lot in normal life. Internet speed is measured in bits per second (actually, more like thousands or millions of bits per second). So, if you have a connection of 100 Mbps, you are transfering to your computer roughly 100 million bits per second.

So, binary code is really something if you want to understand computers.

Let's face it. Binary code may be easy to use for a computer, but is quite annoying for us to deal with. Why is that? Because for a relatively small number, such as 200, we have in binary 11001000. Eight bloody numbers, instead of the regular three we need in our normal life. That's why binary code is usually packed in sets of four, called WORDS. How many "words" are there? Let's count them, shall we?

	HEX
VALUE	VALUE
0	0
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	А
11	В
12	С
13	D
14	E
15	F
	VALUE 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

We have 16 different words, representing the numbers from 0 to 15. But we had a name for when this things happen. This is BASE-16, or hex (short for hexadecimal). We have 16 "numbers" we can use to represent quantities.

Ok, we all know the first 10 numbers, from 0 to 9. But we have no special symbol for 10. In fact, as we don't have one, we write it down using TWO symbols (1 and 0). So, if we want to have 16 different symbols, we have to make some of them up. Mathematicians used the first letters of the alphabet, thus the symbols for hex are the ones in the rightmost column.

Ok, let's count. Until 15 there's no problem, we can still write the number down using just one digit. For the next number (our regular 16), we are out of symbols. What do we do? We use two symbols, and we have 10. (ALWAYS REMEMBER: number 10 in our regular system is different from 10 in another system). From there on, we keep counting. Our 17 is hex 11, our 18 is hex 12, and so on.

Computer code is almost always represented this way, and the utility that lets you peek into it is called a "hex editor". When scientists invented computers, they decided that 256 symbols were all you can possibly need for writing letters, numbers and stuff (and, by that time, it was good). So, they programmed the computers so you can store data using 256 different types of symbols per character (such as @, p, 8... 256 of them). Each one of these characters is called BYTE. As you can guess, when the computers began to spread worldwide, 256 symbols were not enough. But that's another story ^_^.

Let's see how many bits we need to express a byte, and the answer is 8 bits. So, each 8 bits we have a byte. 8 bits is also two "words", so, each byte can be written down using two hex symbols. For example, if a byte contains the symbol 200 (it's the plus symbol, by the way), it will appear in a hex editor as "C8", meaning that the binary representation for that number is:

> 1100 1000 C 8

Transforming numbers from and to hex is not a nice task, as it needs many calculations. Your best chance is to have a scientific calculator. However, for those of you that want to know, we are going to learn how to do it.

4.1.3. Base transformation

First we are going to see the "easy" part. How to convert a hex number into a normal number (actually, the "normal" numbers are called DECIMAL NUMBERS, or BASE-10 NUMBERS).

First thing you have to remember is the value of each digit. Refer to the chart in 4.1.2. if you need to.

Ok, let's do it. In order to transform a hex number into decimal, we have to make some calculations. We have to multiply the value of each digit to a number that represents it's position. For the last digit we use 1, for the next, we use 16. For the next, 16*16 = 256, for the next 16*16*16 = 4096, and so on. Finally, we sum up all the results.

Let's use a 4-digit hex number as an example:

5 C 3 A | | | | | | | |] -----> 10 * 1 = 10 (A means 10) | | | | |] -----> 3 * 16 = 48 | | -----> 12 * 256 = 3072 (C means 12) -----Total = 23610

And now, the nasty part. The opposite way. Lets say we need to transform the number 12500 into hex. What we need to do is start dividing the number by 16, and write down the integer rest or modulus of the operation. The, you continue doing this with the result of the previous division, until you can't divide it any more.

12500 : 16 = 781, Rest = 4 781 : 16 = 48, Rest = 13 [This is D in hex] 48 : 16 = 3, Rest = 0

Once we are done, we start writing down the LAST division result, followed by the rests or moduli, written backwards:

12500 dec = 30D4 hex

Piece of cake, huh?

4.2. How to make your own codes

4.2.1. Basics

What a memory cheat code does, is to search for a specified memory address, and stick a given value into it. If you keep the cheat code activated, this value never changes, and so you can have infinite values (life, energy, money). Or, alternatively, you can activate the cheat code, save the game (by battery save or by state save), deactivate the code and continue playing. In this case, you're just setting a value but after that it can go up or down, depending on your actions.

For example, I can have a code that sets a timer to 1 minute. If I keep the cheat code running, the timer will be ALWAYS at 1 minute. This could be a problem if, for example, you get points for the time remaining. Some games use the actual timer value and start decreasing it (we all remember Super Mario Bros. xD). If you froze up the value, you'll be stuck there, getting infinite points for your time, but as the timer never goes down, the process will loop to infinite. What's the moral of this? Be careful, use the codes for what they are supposed to, and be extra careful with the "infinite" codes.

Ok, so we want to make our own code. What do we need? Only two things. The memory address (or addresses) where the value you want to change is, and the new value you want to replace it with. The value is usually easy, i.e. you need 9 lives, you're using value 9. There are some cases (specially with newish games) where the values are encrypted, or coded not byte-wise but bit-wise (This game - Sword of Mana - is a good example of this), and you need to analyze the results.

First, we're learning how to look for a memory address using the cheat menu included with Visual Boy Advance. Then, we'll be seeing how to analyze and decypher encrypted data.

4.2.2. Search

VBA includes a neat cheat utility, that lets you look for specific values, or check values as they go up and down. Let's familiarize with this utility. Go to Cheats - Search for Cheats. The following windows appears:

Address	Old value	New value
		1
	1	
earch type	Compare type	Signed/Unsigne
earch type	Compare type	Signed/Unsigne
earch type Old value	Compare type J Equal	Signed/Unsigne ⊐ Signed
earch type Old value Specific value	Compare type J Equal J Not equal	Signed/Unsigne J Signed J Unsigned
earch type Old value Specific value	Compare type J Equal J Not equal J Less than	Signed/Unsigne J Signed J Unsigned J Hexadecimal
earch type Old value Specific value	Compare type J Equal J Not equal J Less than J Less or equal	Signed/Unsigne J Signed J Unsigned J Hexadecimal
earch type Old value Specific value ata size	Compare type J Equal J Not equal J Less than J Less or equal J Greater than	Signed/Unsigne J Signed J Unsigned J Hexadecimal
earch type Old value Specific value ata size 8 bits	Compare type - Equal - Not equal - Less than - Less or equal - Greater than - Greater or equal	Signed/Unsigned Signed Signed Unsigned Hexadecimal O Update values
earch type Old value Specific value ata size bits 16 bits	Compare type - Equal - Not equal - Less than - Less or equal - Greater than - Greater or equal	Signed/Unsigned Signed Signed Unsigned Hexadecimal O Update values
earch type Old value Specific value ata size 8 bits 16 bits 32 bits	Compare type - Equal - Not equal - Less than - Less or equal - Greater than - Greater or equal	Signed/Unsigned Signed J Signed J Unsigned J Hexadecimal O Update values
earch type Old value Specific value ata size bits 16 bits 32 bits	Compare type - Equal - Not equal - Less than - Less or equal - Greater than - Greater or equal	Signed/Unsigned Signed Signed Unsigned Hexadecimal O Update values

There are two types of search. Specific or related. We use specific value search when we know for sure the value we're looking for. Let's say, we have currently 5 lives. So, we go to the search window and select "Specific value".

Next, we have to select the size. This depends on the maximum allowed value of the data. 8 bits is for numbers between 0 and 255 (usually lives fall into this range). 16 bits is for values between 0 and 65535. Larger quantities, such as HP, MP fall here. Last, 32 bits, calls for huge numbers, anything less than 4294967295 is good here. Usually the money you carry and the XP fall here. The thing is, we can't know how the game is coded. Maybe they put the value of HP, that ranges between 0 and 999, in only 12 bits of data. You have to cross your fingers and select the one you THINK is right. Following the example for the 5 lives, we select "8 bits".

Then we select how to check the data. Are we looking exactly for a specific number? Or just anything below is good? Or maybe we need to search for the numbers greater than 1000. Select your choice here. In our example, we are setting this to "Equal"

The "Signed/Unsigned" box refers to the type of number we are dealing with. 99% of the time we'll be using "unsigned", that means that a 8-bit value, goes from 0 to 255, while a signed one goes from -128 to 127. Hexadecimal is for when you'd like to search in a more pro way, but if you know the decimal value, unsigned is fine (values coded in BCD -binary coded decimal- are a pain, they use hex values but they are written as decimal. This means that if you want to search for decimal 45, you have to search for HEX 45).

The checkbox "Update values" is used when you're searching for an elusive address. If you check this, every time you access the cheat window, the values in the "New value" and "Old value" column are updated.

Finally, the value dialog is where you enter the number you're looking for. In our example, we'll be writing down 5.

Once you're done with this, press Start, and next Search. The results will be displayed in the upper screen. Chances are, there are too many addresses with the value 5, so the system will tell you it cannot display that many numbers. If this is not the case, surely you'll be stuck with a bunch of memory addresses and you cannot know for sure which is the one you need. So, what do we do? Press OK and go back to the game. Continue playing and purposely lose a life. Now you have 4. Go back to the screen, and put 4 in the value dialog. This time DON'T PRESS START, as we will lose the previous search. Just press SEARCH and the system will search for the number 4 among the previous values. This will narrow our search a bit (quite a bit, hopefully). If you still have too many results, lose or gain another life and search again. Once we are done, we will have only one or two (maybe three) results. Now we save the game, just in case. Back to the cheat screen, we click one of the results and with that row selected, press Add cheat. A screen will pop up asking you for a new value. Most of the options are disabled, so just put the new value we want (let's say 9) and add a description if you want (if you are using multiple codes DO THIS, or you'll end with a bunch of codes and you won't know which is which). Press OK and go back to the game. If you selected the proper option, the life number should have changed by now. If not, you may have selected the wrong address, or maybe the game does not update the value on the screen, but it does change the value, internally.

This won't happen always this smoothly. sometimes you don't know the real value you're looking for. Let's say we're playing an adventure game, and the HP is displayed as a bar, not as a number. We don't know the actual HP value, so we go to the cheat screen and select "Old value". The value dialog is grayed out, so we just press START and leave this window by clicking OK. We go back to the game, lose some HP and go back to the cheat window. This time, select the

option "Lesser than", as the HP value surely has decreased. Click SEARCH, and the screen will display ALL the values that have decreased since you last pressed START or SEARCH. Do this a few more times, and hopefully you will get your value. For inputting the cheat code, do the same as before. This method is quite slow, but it does work, unless the data is encrypted...

4.2.3. Analisys

Ok, so far we know how to search for memory adresses, given a specific value or by trial and error. But in both cases, we have to trust the programmers have written the code in the same "language" we are using to read. This means, that the values are properly coded in hexadecimal, or at least in BCD. But sometimes they aren't. In this cases, all our efforts to search for an specific value will fail, because the numbers the search engine can look for are not the ones that are in the game. Let's give a simple example. If you read section 4.1.1., you'll see that every computer code is really written in binary, meaning it's nothing more than a bunch of 0s and 1s. They are USUALLY stacked into words of 4 bits and bytes of 8 bits, but not always. Let's say we are programming a game, and we have to put into memory a series of numbers that will go from 0 to 15. For example, weapon stats. Numbers between 0 and 15 fit in 1 word, so if we use 1 byte per number, we are making the code readable, but we are wasting 4 bits per byte. Some programmers would prefer to use only one word for this, thus saving lots of space. But it will be hell for us, because we can only search for full 8-bit packs, not 4-bit. In this example, let's say we have two stats, with values 5 and 9. If they are programmed word-wise instead of byte-wise, you will have to look for the hex value 59 or 95, or worse, because they may be entwined with weird code.

Our options? Be really patient and try. Once you found an address, the rest of them should be "around", relatively near. So, let's say we have a cheat code with the mem address 02020546. The rest of the game data, is more likely to be in the same zone, let's say the 02020XXX zone. So, we save a state in slot #1, try a code at random, for example, 02020500:30, and we see if something changes, and how. Then, we get the saved state back (this action erases all cheat codes not saved with the state), and try 02020500:01. This way we can see if each word (each digit in the value) changes something different. By wasting LOTS of time, we might find some useful/interesting. We'll be seeing examples of this in section 4.4.

4.3 Codebreaker

Codebreaker is a commercial cheat device that is luckily emulated by VBA. You can use encrypted or decrypted codes, and they are easy to manage. The good thing about it is the ability of making slide codes, for changing lots of memory addresses at once; conditional cheating, by changing a value only if a certain criteria is matched; or activated cheats, that remain dormant until you press a certain combination of buttons to activate them.

We'll see now a brief explanation of the codebreaker formats.

4.3.1. Codebreaker formats

As we said before, there are many options for this system. The main code is very similar to a normal hex code, as it consists mainly of an address and a value. but the rest of the things are the juicy part $^{^{^{^{^{^{^{^{^{^{^{*}}}}}}}}}$

This codes can be single or multiple lined. If you use multiple lined codes, you'll have to input all the lines at once.

Formats:

3XXXXXXX 00YY This is the basic format. It's exactly the same as your regular 1-byte hex code. It sets the value YY into the mem address XXXXXXX. 4XXXXXXX YYYY AAAABBBB CCCC The first multilined code. This is for the slide codes, the ones we use for setting multiple cheats at once. The bad news here is that you can only use it with 2 byte or 16-bit codes. The first line sets the first memory address along with the first value you want for that address, same as you did with the previous code. The second line has iteration data. AAAA is the incremental step of the value. This is, if you want to set a different value for each address, here you put how many numbers are you rising on each step. Leave it as 0000 if you want all the values to be the same. BBBB tells us how many iterations are we making. That is, if you need to change 30 consecutive adresses, you will need 001E here(remember to always use hex). CCCC is the distance, in bytes, between two consecutive addresses. AS we are using 2 byte values, the difference should be at least 2.

6XXXXXXX YYYY

This kind of code is useless if you aren't familiar with binary operations. It does an AND operation between YYYY and the current value of the address. You won't be using this much or at all, don't fret.

7XXXXXXX YYYY

This is the conditional code. It is used in combination with another line below. If the address XXXXXX has the value set in YYYY, it executes the line below. Otherwise, the next line is skipped. This kind of codes are useful as triggers, as they activate themselves when the criteria is met.

8XXXXXXX YYYY

The regular 2-byte code. It writes the value YYYY into the address XXXXXXX.

AXXXXXXX YYYY

This is the same as the conditional code, but opposite. The next line is only executed if the value of XXXXXXX is NOT equal to YYYY.

D0000020 YYYY

This is also a condicional code. The difference is that in this case, the condition is not a value, but a button that need to be pressed. If the criteria is met, this is, if the correct button or buttons are pressed, the next line is executed. YYYY is the sum of all the buttons you want to be pressed. each button has a hex code, you select the ones you'd like to use, add their values (in hex!) and put this as YYYY.

Button	Code	(hex)
A	0001	
В	0002	
Select	0004	
Start	0008	
Right	0010	
Left	0020	
Up	0040	
Down	0080	
R	0100	
L	0200	

This means that if we want our code to be activated by pressing Select + Up, we have to add 0004 + 0040, and then we use the result (0044) in the YYYY portion of the code.

4.4. The codes of Sword of Mana

As I stated before, many of the values in this game are coded in a weird way. This means that some stats, such as the weapon and spirit levels, the HP / MP, are not stored as regular hex numbers in the game code, but each value has been chopped into pieces and stored in different adresses. This makes the direct way of searching them almost useless, because in a given address, you could find, for example, a piece of the max HP, added to another piece of the Rod level. So unless you have a global vision of all of the codes, looking for them is hard.

I'll put some of my discoveries here. But be warned, it's heavy, boring stuff you should only read if you are really interested, or you are desperately need to set another values but 99 or 999 (if this is the case, mail me and I'll do the math for you $^{\circ}$).

For each adress listed, I'll explain what each word does (word is the name of each digit of the byte), along with the formulae to calculate the final results.

Another thing: I'll be using ONLY the USA version addresses here. If you use the EUR version, just add an hex 00000010 to all of the addresses (for example, USA address 02020405 becomes EUR address 02020415).

All of the following addresses start with 02020---, I'll just replace the last three digits here. Each address has 1 byte, coded as XY (for example, 5A).

In the columns X and Y you will find what variable or variables are stored in the first and second word (digit) of each byte.

At the end, an explanation of these variables and how to make the codes work.

•				 	
I	ADDRESS	Ι	Х	Y	Ι
•				 	۰.
I	3F0		Ch1	Ch0	
I	3F2		L1	LO	
I	3F3		Mc1 + ?	McO	
Ι	3F4		Nl	NO	
T	3F6		Sw1	8*Sw0 + ?	T

3F7	I	?		Ι	Sw2	+	?	I
3F8	I	h1		Ι	ł	n0		Ι
3F9	I	M1		Ι	4*M0	+	h2	Ι
3FA	I	mO		Ι	1	42		Ι
3FB	I	m2 +	?	Ι	r	n1		Ι
40C	I	H1		Ι	2*H0	+	?	Ι
40D	I	R1		Ι	8*R0	+	H2	Ι
40E	I	K1		Ι	4*K0	+	R2	Ι
40F	I	FO		Ι	К2	+	?	Ι
410	I	S1		Ι	8*S0	+	F1	Ι
411	I	В1		Ι	4*B0	+	S2	Ι
412	I	L1		Ι	2*L0	+	В2	Ι
413	I	A1		Ι	8*A0	+	?	Ι
414	I	?		Ι	A2	+	?	Ι

Allowed values for each variable, separated by stats:

++	++	++
Var Range	Var Range	Var Range
+++	++	++
Ch1 0-F	Sw2 0-3	A2 0-3
Ch0 0-F	Sw1 0-F	A1 0-F
++	Sw0 0-1	A0 0-1
L1 0-F	++	++
L0 0-F	R2 0-3	Mc1 0-7
++	R1 0-F	Mc2 0-F
N1 0-F	R0 0-1	++ +
NO O-F	++	
++	K2 0-1	
M2 0-F	K1 0-F	
M1 0-7	KO 0-3	
MO 0-F	++	
++	F1 0-7	
m2 0-3	F0 0-F	
m1 0-F	++	
m0 0-F	S2 0-3	
++	S1 0-F	
H2 0-3	SO 0-1	
H1 O-F	++	
HO 0-7	B2 0-1	
++	B1 0-F	
h2 0-3	B0 0-3	
h1 0-F	++	
h0 0-F	L1 0-F	
++	L0 0-7	
	+	

Ok, the only thing left is how to combine this numbers in order to make real stuff. Each stat (level, mp, etc...) has a specific formula, using all of the variables we stated. When I say something like X-Y, the hyphen is not a minus symbol, just a separator between words of a hex code.

Character: Ch1-Ch0 (hex)

This code manages the appearence of the main character. This means the aspect, portrait and weapon. BE WARNED, if you put a character here who does not use the SAME weapon as your original char, it won't be able to attack.

Level: L1-L0 (hex)

As I said in the codes section, this is useless, as the level by itself changes nothing. N1-N0 (hex) Inner Level: This number tells the game how many exp points you need in order to advance to the next level. This is, if you set this to 1, you will need the same exp points as if you actually were level 1. Max MP: 64*M2 + 4*M1 + M0 (this is what I meant by encrypted values :p) Current MP: m2-m1-m0 (hex) Max HP: 128*H2 + 8*H1 + H0 Current HP: h2-h1-h0 (hex) Sword lvl: 32*Sw2 + 2*Sw1 + Sw0 Rod lvl: 32*R2 + 2*R1 + R0 Knuckles lvl: 64*K2 + 4*K1 + K0 Flail lvl: F1-F0 (hex) Scythe lvl: 32*S2 + 2*S1 + S0 64*B2 + 4*B1 + B0 Bow lvl: Lance lvl: 8*L1 + L0 32*A2 + 2*A1 + A0 Axe lvl: Mace lvl: 16 * Mc1 + Mc0

Ok. What the heck man? This mumbo jumbo means that in order to change the level of your rod, you have to know beforehand the third "digit" of your max HP or you'll be changing both things by inputting a cheat. So, this practice is reserved only for the bravest xD

I assume this is common practice in some games to avoid easy hacking. I'll leave this here, because putting all of the codes will result in a real mess. Imagine that we have still left the spirit levels, the stats for every NPC in the game... No way. If you have been reading so far, you should be able to find them out by yourselves by now.

| 5. Ending |

Thanks to Dan Sawchuk who made me note both the difference between the USA and the Euro versions, and the weird Shield and Egg codes.

Thanks to Nate (The Court Judges) for a nice Companion Code I'll be

investigating and uploading later ^_^

Thanks to YOU for reading my guide, I hope it will be useful. For any question regarding the use of the codes mail me to suarez.lea@gmail.com (don't send questions about things not covered in the guide, they will be covered as I find them)

5.2. Final words

This guide was written by Leandro Suarez (Curambar in GameFAQS and Neoseeker). It is not meant to be used on any other site besides GameFAQS, Neoseeker and any other site I've deemed to have it hosted on. It's not to be edited in ANY way for other use. (Unless I give permission to do so.)

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