

# PRODUCT INTRODUCTION

## MX368035A (for MG3681A) PHS Signal Generation Software

Update News

ANRITSU CORPORATION

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# MX368035A PHS Signal Generation Software (for MG3681A) Update News

MX368035A software is updated for the function enhancement.

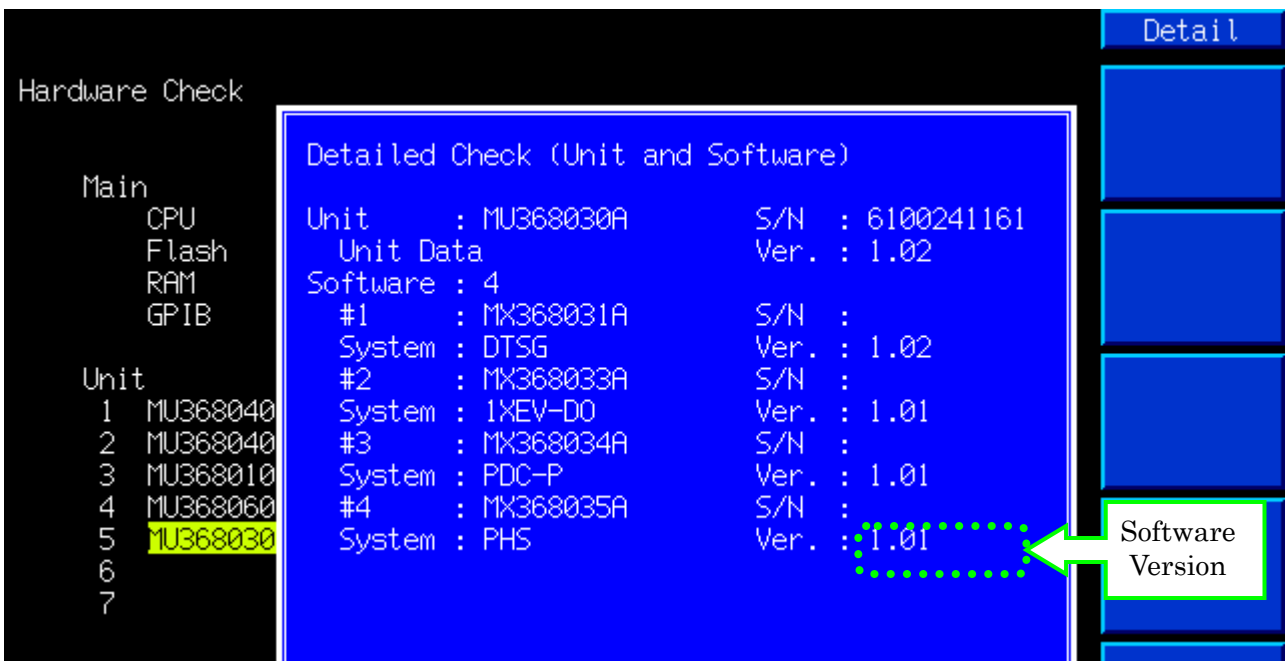
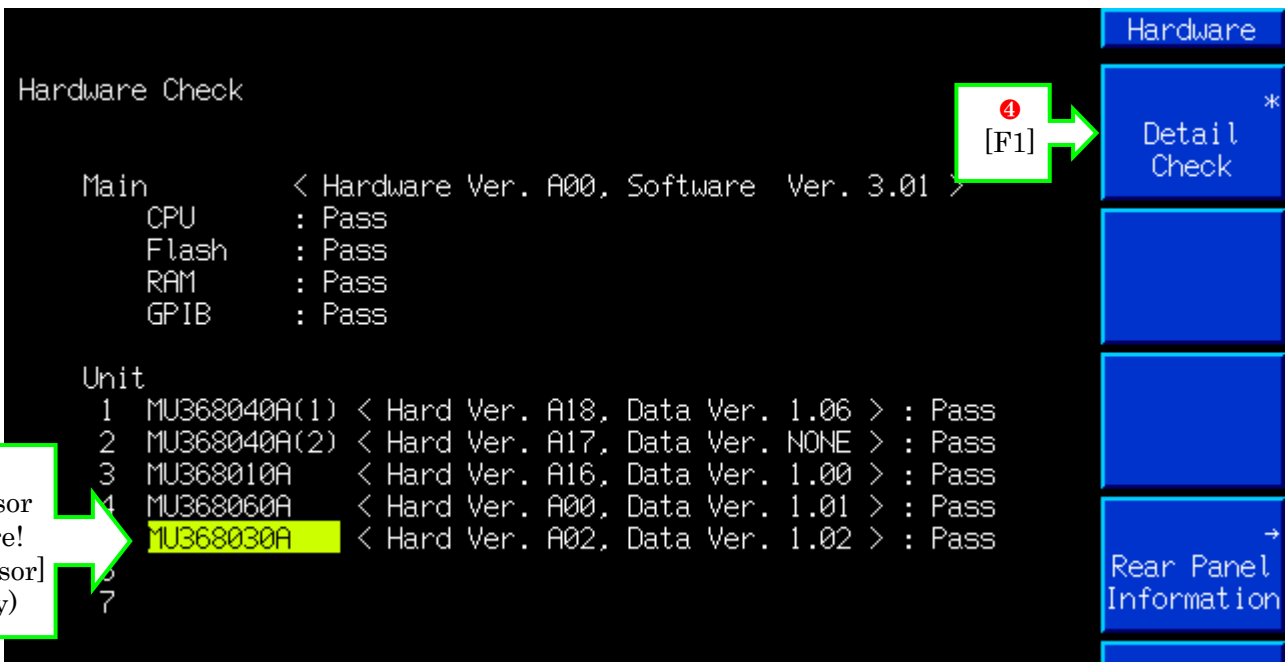
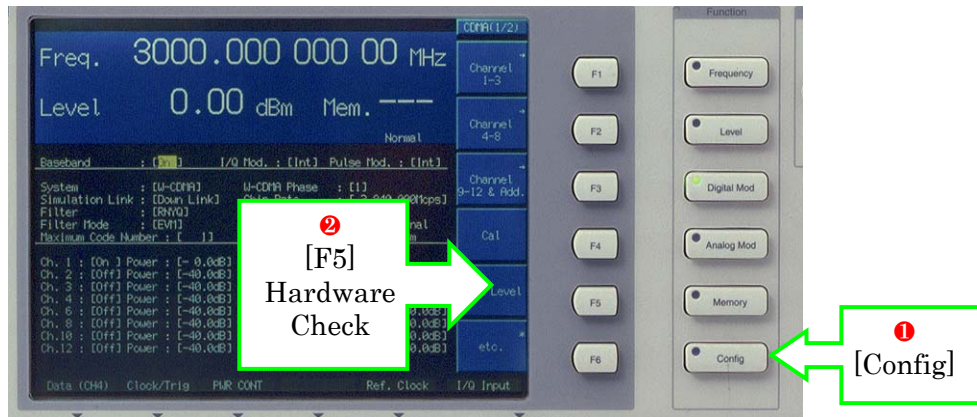
The present document introduces the following contents of the MX368035A software to the customers who already have MG3681A+MU368030A+MX368035A.

- Version-up History
- How to check Version
- How to upgrade
- File configuration in PC memory card

## Version-up History

Version	Release (yyyy.mm.dd)	Contents																								
2.01	2005.2.28	<b>Patch</b> <ul style="list-style-type: none"> <li>● The mistake of the version displayed on the screen of the main body is corrected.</li> </ul>																								
2.00	2004. 1.15	<b>Firmware improvement</b> <ul style="list-style-type: none"> <li>● The internal interface mismatch accompanied by updating to Version 2.00 of MX368033A software was corrected.</li> </ul>																								
1.04	2003. 7.11	<b>Signal pattern</b> <ul style="list-style-type: none"> <li>● The signal pattern of <math>\pi/4</math>DQPSK continuous modulation of bit pattern all"0" was added to the signal pattern file for <math>\pi/4</math>DQPSK.</li> </ul>																								
1.03	2003. 4. 11	<b>Firmware improvement</b> <ul style="list-style-type: none"> <li>● The auxiliary signal outputs on a rear panel are usable <ul style="list-style-type: none"> <li>A1: RF Gate</li> <li>A3: RF Gate</li> <li>A4: Frame Trigger</li> <li>B1: Sampling Clock</li> <li>B2: Sequence Pulse</li> </ul> </li> </ul> <b>Signal pattern</b> <ul style="list-style-type: none"> <li>● Sample appendix signal patterns: following continuous modulation on RCR STD-28 V4.0 <table style="margin-left: 40px; border-collapse: collapse;"> <thead> <tr> <th style="border-bottom: 1px solid black;"></th> <th style="border-bottom: 1px solid black;">16QAM</th> <th style="border-bottom: 1px solid black;">8PSK</th> <th style="border-bottom: 1px solid black;">QPSK</th> <th style="border-bottom: 1px solid black;">BPSK</th> <th style="border-bottom: 1px solid black;">kHzBW</th> <th style="border-bottom: 1px solid black;">ksps</th> <th style="border-bottom: 1px solid black;"><math>\alpha</math></th> </tr> </thead> <tbody> <tr> <td>1x)</td> <td>PN9/15</td> <td>PN9/15</td> <td>PN9/15</td> <td>PN9/15</td> <td>:288</td> <td>192</td> <td>0.5</td> </tr> <tr> <td>3x)</td> <td>PN9/15</td> <td>PN9/15</td> <td>PN9/15</td> <td>PN9/15</td> <td>:884</td> <td>640</td> <td>0.38</td> </tr> </tbody> </table> </li> </ul>		16QAM	8PSK	QPSK	BPSK	kHzBW	ksps	$\alpha$	1x)	PN9/15	PN9/15	PN9/15	PN9/15	:288	192	0.5	3x)	PN9/15	PN9/15	PN9/15	PN9/15	:884	640	0.38
	16QAM	8PSK	QPSK	BPSK	kHzBW	ksps	$\alpha$																			
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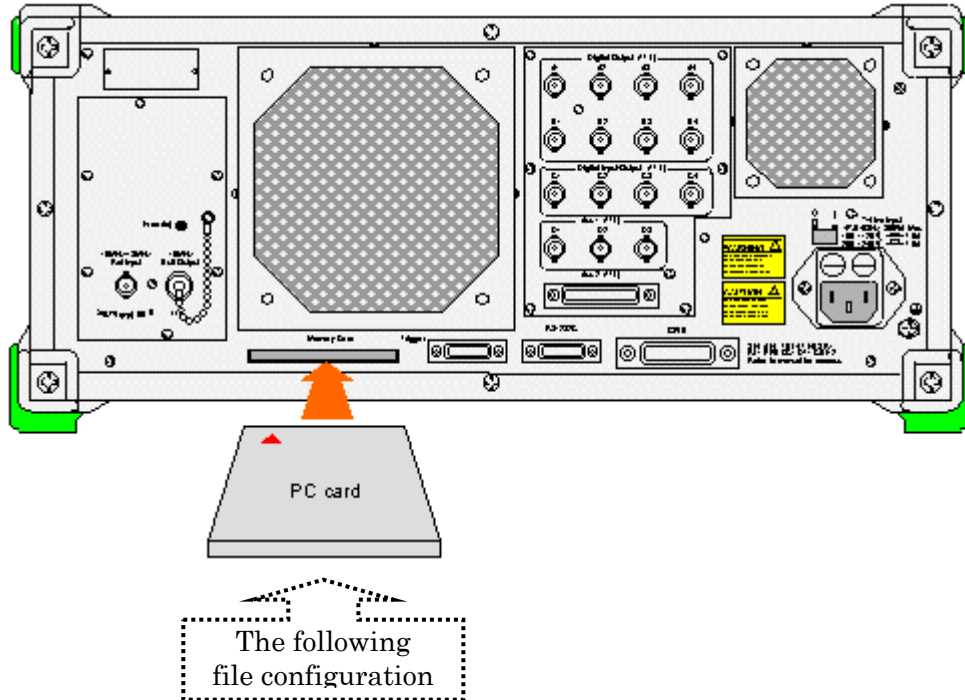
## How to check Version



## How to upgrade

Please consult with our sales staff about updated firmware object.

1. Please prepare clear PC memory card (MX368035A card that the file and folder are empty).
2. Please copy to PC memory card like the following page.
3. Please power-off MG3681A.
4. Please insert PC memory card in [Memory Card] on the rear panel of MG3681A.



[Updated software object]

5. Please power-on MG3681A.
6. The firmware is upgraded in 1 to 2 minutes.

Signal pattern file has been updated by Version 1.04, so in case of the upgrade from Version 1.03 or less, the following operation is required.

7. Please press [Digital Mod.] key and then [F5]:Wave Data Download key, select a signal pattern file by [Cursor] key, and set by [Set] key.








UMU35PHS.DLI: for  $\pi/4$ DQPSK

UMU35EC0.DLI: for continuous modulation on RCR STD-28 V4.0



8. The signal pattern file is upgraded in about 10 minutes.

File configuration in PC memory card for version 2.00

	Manritsu Firmware
	phs104I.dlw I signal pattern file for $\pi/4$ DQPSK
	phs104Q.dlw Q signal pattern file for $\pi/4$ DQPSK
	UMU35phs.dli Configuration file for $\pi/4$ DQPSK
	con0104I.dlw I signal pattern file for continuous modulation on RCR STD-28 V4.0
	con0104Q.dlw Q signal pattern file for continuous modulation on RCR STD-28 V4.0
	UMU35EC0.dli Configuration file for continuous modulation on RCR STD-28 V4.0

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Specifications are subject to change without notice.

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