

PH6/PH7 Software Upgrade Guide

1. Upgrade version and CPS

Download the CPS and radio version firmware.

- CPS_V3.06.016.B2(En).zip
- Upgrade To V3.06.05.B1_A.zip

2. Check Firmware Version and Device Information

Check the firmware version and device information as below:

- 1) Go to the home screen;
- 2) Press OK button to enter the main menu and choose Device Info;
- Check the firmware version, DSP version, RCDB version, frequency range and serial number, etc.

Or get the device information by reading through CPS. You can contact after sales to get version comparison table.

-Basic Information	- Chi	-6
Model Name	РН690	
Serial Number	1234567890	
Model Type	Portable	
Model Number	PH690-GMBD0000000-U1-C	
Frequency Band[MHz]	400-470	
Firmware Version	V3.06.05.B1	
RCDB Version	D3.06.016	
DSP Version	V3.06.05.B2A	
Bootloader Version	V3.06.002	
Bluetooth Version	V2.02	
Last Programming Date	2020-03-13,14:02	
	. 69	

3. Software Upgrade

3.1 Before Upgrade

3.1.1 Get the one-click upgrade software for the target version.

3.1.2 Prepare the radio to upgrade, take away the cover of accessory interface on the side.

3.1.3 Prepare the data cable (Type: AP340). Connect its USB port to your computer USB port, connect the other side to your radio accessory interface port and fasten it.

AP340 Data Cable:



3.2 Upgrade Procedure

3.2.1 Install the upgrade software package

1) Click to open the upgrade software, choose the language according to your requirement (Cn for Chines, En for English);

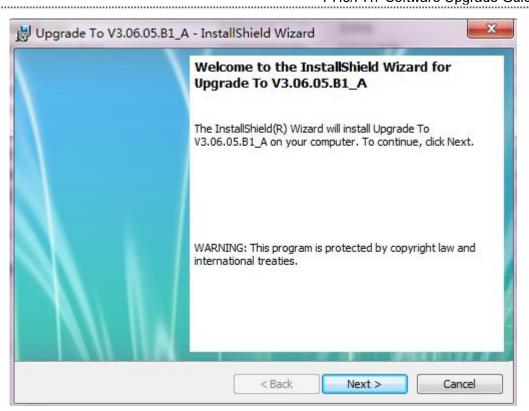


2) Double click setup.exe in the chosen language folder;



3) Click Next in the below interface;





4) Select 'I accept' and click Next in the below interface;

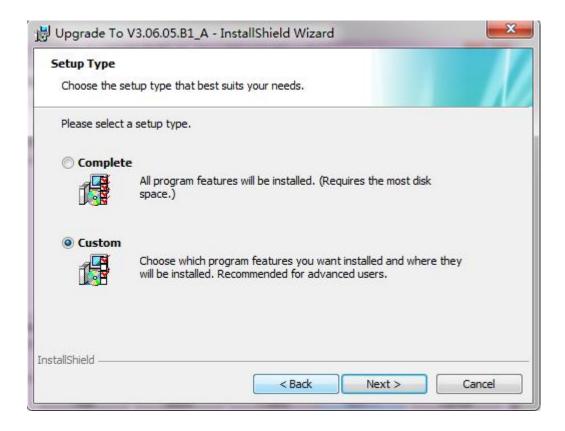
License Agreement		
Please read the following lig	ense agreement carefully.	
PRODUCT SOFTWARE LICENS	E AGREEMENT	×
APPLIES TO THE SOFTWARE E ACCOMPANYING Caltta PROD UNLESS A SIGNED LICENSE AC	TWEEN YOU, THE USER, AND Caltta, MBEDDED IN OR DELIVERED WITH THE JCT (SOFTWARE), AND IS APPLICABLE REEMENT COVERING ITS SUBJECT	Е
BY USING THE PRODUCT, YOU HAS BEEN READ AND UNDERS BY ITS TERMS AND CONDITIO NOT LICENSED TO USE THE PR	BETWEEN YOU AND Caltta. ACKNOWLEDGE THAT THIS AGREEMENT TOOD AND THAT YOU AGREE TO BE BOUND NS. IF YOU DO NOT AGREE, YOU ARE CODUCT, AND IF YOU ARE THE PURCHASER LD IMMEDIATELY RETURN THE PRODUCT IN OF PURCHASE FOR A REFUND.	÷
BY USING THE PRODUCT, YOU HAS BEEN READ AND UNDERS BY ITS TERMS AND CONDITIO NOT LICENSED TO USE THE PR OF THE PRODUCT, YOU SHOU	ACKNOWLEDGE THAT THIS AGREEMENT TOOD AND THAT YOU AGREE TO BE BOUND NS. IF YOU DO NOT AGREE, YOU ARE RODUCT, AND IF YOU ARE THE PURCHASER LD IMMEDIATELY RETURN THE PRODUCT IN OF PURCHASE FOR A REFUND.	
BY USING THE PRODUCT, YOU HAS BEEN READ AND UNDERS BY ITS TERMS AND CONDITIO NOT LICENSED TO USE THE PR OF THE PRODUCT, YOU SHOU ITS ENTIRETY TO ITS PLACE C	ACKNOWLEDGE THAT THIS AGREEMENT TOOD AND THAT YOU AGREE TO BE BOUND NS. IF YOU DO NOT AGREE, YOU ARE RODUCT, AND IF YOU ARE THE PURCHASER LD IMMEDIATELY RETURN THE PRODUCT IN OF PURCHASE FOR A REFUND.	Print

5) Select Complete and click Next if you use the default installation path;



Setup Type	
Choose the se	etup type that best suits your needs.
Please select	a setup type.
Complete	2
	All program features will be installed. (Requires the most disk space.)
Custom	
	Choose which program features you want installed and where they will be installed. Recommended for advanced users.
tallShield	

Select Custom and click Next if you choose your own installation path;



Click Change to modify the installation path, then click Next;



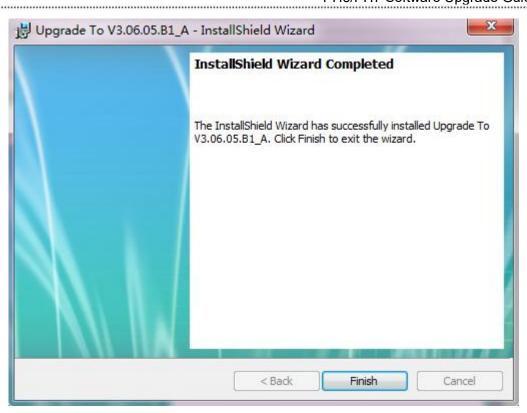
Select the program features you want installed.	
lick on an icon in the list below to change how a feature	is installed. Feature Description
	This feature requires 57MB on your hard drive.

6) Click Install to confirm installation.

	the Program				
The wizard is rea	idy to begin installa	tion.			
Click Install to be	gin the installation.				
If you want to re exit the wizard.	eview or change an	y of your installat	ion <mark>setti</mark> ngs,	click Back. Cli	ick Cancel to

7) Wait the installation to complete. Click Finish to end one-click upgrade procedure.





8) An icon will be on desktop after installation.



- 3.2.2 Radio Upgrade
- 1) Connect the radio to the PC through the data cable;
- 2) Double click the upgrade tools icon to run it;

3) The radio enters into the flash burn mode, press the PTT button and TK button (on the top) at the same time, and rotate the volume knob to power on the radio, the radio enters into the upgrade mode;





The LED indicator glows green:



4) After the upgrade software detects the USB port and displays it, you can select the corresponding USB port and click to upgrade.

5) Choose English language and clear check box "preserve data" to enforce upgrade the radio. (In normal case you can choose Chinese or English language, and choose if preserve the current setting data when upgrade the radio.)



English(Chinese) Chinese English USB Port USB(H:) None Basic Setting USB(H:) Languange File None Preserve Data V	Explains 1.Target version is V3.06.05.B1. 2.Please do not power off while upgrading.
	Click Upgrade

6) The LED indicator flashes green during the upgrade, the radio displays the following interface:



7) Upgrade complete prompt;

After upgrade completes, the software tools will display as below:





Note:

- Don't power off the radio during the upgrade.
- If upgrade fails, please repeat the upgrade procedure.
- 8) Reboot the radio after upgrade to check if the firmware is the target version.

4. CPS Software

4.1 CPS Software Installation Procedure

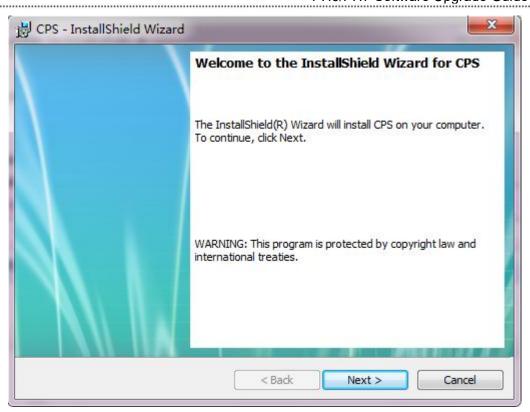
题 setup.exe

1) Start installation, double click

to install;

2) Click Next following the prompt.





3) Select 'I Accept' and click Next.

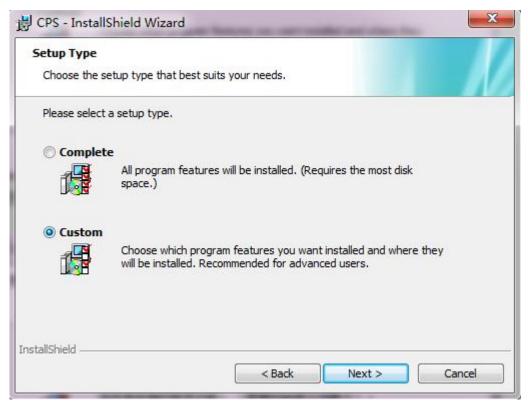
License Agreement		
Please read the following	license agreement carefully.	
PRODUCT SOFTWARE LICEN	ISE AGREEMENT	
APPLIES TO THE SOFTWARE ACCOMPANYING Caltta PRC UNLESS A SIGNED LICENSE	BETWEEN YOU, THE USER, AND Caltta, E EMBEDDED IN OR DELIVERED WITH THE IDUCT (SOFTWARE), AND IS APPLICABLE AGREEMENT COVERING ITS SUBJECT	Ξ
BY USING THE PRODUCT, YO HAS BEEN READ AND UNDER BY ITS TERMS AND CONDITI NOT LICENSED TO USE THE OF THE PRODUCT, YOU SHO	ED BETWEEN YOU AND Caltta. DU ACKNOWLEDGE THAT THIS AGREEMENT RSTOOD AND THAT YOU AGREE TO BE BOUND CONS. IF YOU DO NOT AGREE, YOU ARE PRODUCT, AND IF YOU ARE THE PURCHASER DULD IMMEDIATELY RETURN THE PRODUCT IN E OF PURCHASE FOR A REFUND.	+
BY USING THE PRODUCT, YO HAS BEEN READ AND UNDER BY ITS TERMS AND CONDITI NOT LICENSED TO USE THE OF THE PRODUCT, YOU SHO	DU ACKNOWLEDGE THAT THIS AGREEMENT RSTOOD AND THAT YOU AGREE TO BE BOUND RONS. IF YOU DO NOT AGREE, YOU ARE PRODUCT, AND IF YOU ARE THE PURCHASER DULD IMMEDIATELY RETURN THE PRODUCT IN OF PURCHASE FOR A REFUND.	Print
BY USING THE PRODUCT, YO HAS BEEN READ AND UNDER BY ITS TERMS AND CONDITI NOT LICENSED TO USE THE OF THE PRODUCT, YOU SHO ITS ENTIRETY TO ITS PLACE	DU ACKNOWLEDGE THAT THIS AGREEMENT STOOD AND THAT YOU AGREE TO BE BOUND IONS. IF YOU DO NOT AGREE, YOU ARE PRODUCT, AND IF YOU ARE THE PURCHASER DULD IMMEDIATELY RETURN THE PRODUCT IN COF PURCHASE FOR A REFUND. icense agreement	Print

4) Select Complete and click Next if you use the default installation path.



岗 CPS - InstallS	hield Wizard
Setup Type Choose the se	tup type that best suits your needs.
Please select a	a setup type.
Complete	All program features will be installed. (Requires the most disk space.)
Custom	Choose which program features you want installed and where they will be installed. Recommended for advanced users.
InstallShield	< Back Next > Cancel

Select Custom and click Next if you choose your own installation path.



Click Change to modify the installation path, then click Next.



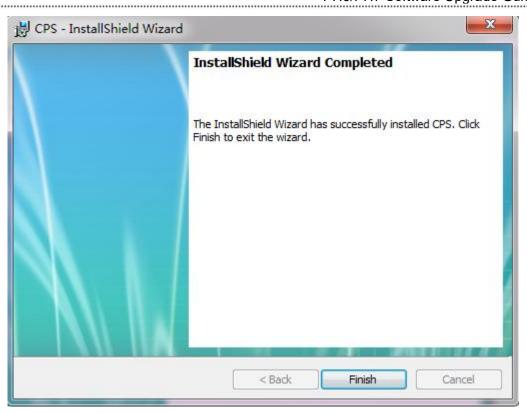
ustom Setup	
Select the program features you want insta	lled.
ick on an icon in the list below to change how	v a feature is installed.
CPS_Files	Feature Description
	This feature requires 28MB on your hard drive.
stall to: \Program Files\Caltta\CPS\	Change
	change

5) Click Install to confirm installation.

Ready to Install the Pro	gram			
The wizard is ready to be	gin installation.			
Click Install to begin the i	nstallation.			
If you want to review or exit the wizard.	change any of you	ur installation s	ettings, click Back	. Click Cancel to

6) Wait the installation to complete. Click Finish to end CPS tools installation procedure.





7) An icon will be on desktop after installation:



4.2 CPS Read

CPS read function can be started by shortcut key combination Ctrl + R or shortcut

icon⁵⁵¹ to read data from the radio.

Precondition: The radio is power on in user mode.

1) Connect the radio with data cable, and connect data cable USB port to the computer, click CPS read to display the following interface;



Read	1	1.000	
Click OK to	continue		
1	ок	Cancel	

2) Click OK to continue, the radio displays reading and the CPS interface displays as below;

Read			X
Read data, ple	ase wait 44%		
	OK	Cancel	

3) A pop-up message on the radio display will indicate read success after about 10 seconds, the radio goes back to home display. The CPS will indicate read success as below.

Read	Message X
Read data, please v	Read Success!
	ок

4) Click OK to complete CPS read.

4.3 CPS Write

CPS write function can be started by shortcut key combination Ctrl + W or shortcut

Precondition: The radio database version and type code are consistent with the database version and type code of the data currently edited by the CPS software. The radio is



power on in user mode.

1) CPS software is used to configure data in template.

.....

2) Connect the radio with data cable, and connect data cable USB port to the computer, click CPS write to display the following interface;

- DMR Conventional Auto Increase		
Radio Start ID	15	
Written Count	0	
Next ID	15	
Click OK to continue		

3) Click OK to continue, the radio displays writing and the CPS interface displays as below;



DMR Conventional Auto Increase	Γ	
Radio Start ID	15	
Written Count	0	
Next ID	15	
Writng data please wait	66% DK Cancel	

4) The radio automatically reboots after about 10 seconds. The CPS will indicate write success as below.

Vrite		X
DMR	Conventional Auto Increase Radio S Written Written Write Success!	
Writng	data please	

5) Click OK to complete CPS write.