

## Cactus V6 II Firmware Release Notes

### Cactus Firmware Compatibility

Firmware Generations	V6 II	V6 IIs	V6	RF60	RF60X
Current "A" versions	V62.A.001 Multi-brand HSS	SON.A.003 Sony X-TTL	V61.A.002 Multi-brand	A.07	A.08
	CAN.A.003 Canon X-TTL				
	FUJ.A.003 Fujifilm X-TTL				
	NIK.A.004 Nikon X-TTL				
	OLY.A.003 M43 X-TTL				
	PEN.A.004 Pentax X-TTL				
	SIG.A.003 Sigma X-TTL				
Legacy versions	1.1.013 Multi-brand HSS	SON.1.002 Sony X-TTL	2.1.001 Multi-brand	2.05	1.03

### Cross-brand HSS

- [Universal](#)

### X-TTL

- [Canon](#)
- [Fujifilm](#)
- [Nikon](#)
- [Olympus](#)
- [Pentax](#)
- [Sigma](#)

## **Cross-brand HSS**

(Compatible with Canon, Fujifilm, Nikon, Olympus & Pentax camera & flash system)

### Firmware V62.A.001 (Released on 13 Aug 2018)

Compatibility update:

- Compatible with V6 IIs, V6, RF60X and RF60 with the current firmware generation (with prefix A.xxx or A.xx).

Bug fixes:

- Fixed the triggering problem with Godox V860C on a RX unit.
- Fixed the triggering problem when <SPORT SHUTTER> is activated on the RX unit.
- Fixed the problem in memorizing the <BACKLIGHT TIME> under <PREFERENCES>.
- Fixed the missing 1/1 option in the <EV STEP> under <POWER SETUP>.
- Resolved the zoom display problem on Olympus and Panasonic system flashes that it is now based on the camera crop factor.

### Firmware V1.1.013 (Released on 31 Oct 2017)

Canon camera support:

- Fixed the misfiring problem with Canon EOS 80D.

Pentax camera support:

- Fixed the misfiring problem with Pentax 645Z.

### Firmware V1.1.012 (Released on 21 Aug 2017)

Canon camera support:

- Fixed the occasional misfiring with Canon 5D mark IV

Pentax camera support:

- Fixed the occasional banding issue when firing HSS flash with Pentax 645Z

### Firmware V1.1.011 (Released on 19 Jul 2017)

Canon flash support:

- Fixed the over-exposure problem with Canon 580EX II / 580EX.

Nikon camera and flash supports:

- Fixed the over-exposure problem with Nikon SB-5000.
- Fixed the remote shutter release problem in Relay mode when using with Nikon D700 camera.

Panasonic camera support:

- Fixed the triggering failure in Normal HSS after the Panasonic GH5 getting into the sleep mode.

#### Firmware V1.1.010 (Released on 19 May 2017)

Pentax camera and flash supports:

- Added support to Sigma EF-610 for Pentax;
- Added new option called <CUSTOM SETTING> in <CAMERA & FLASH SETUP> menu. This option enables the V6II to sync at high-speed shutter with the following camera models:
  - <TYPE 1> = Pentax 645Z
  - <TYPE 2> = Pentax K-S1 / K-30
  - <TYPE 3> = Pentax K100D
- Fixed the problem of <FLASH PROFILE> setting not being applied immediately until next power cycle.

Olympus / Panasonic (M43) camera and flash supports:

- Fixed the remote shutter release problem when using the shutter release cable SC-Pan with Lumix G85 / G80 / G8;
- Added support to Nissin i40 for Olympus / Panasonic;

Canon flash system:

- Fixed the inaccurate power level when working with Canon 430EX III;

#### Firmware V1.1.009 (Released on 25 Apr 2017)

Bug fix

- Fixed the status of the <TTL PASSTHROUGH> not being retained after a power cycle;

Fujifilm camera supports:

- Fixed the sync problem in high speed shutter after using <LEARN HSS> on Fujifilm

X-Pro 2;

- Fixed the misfiring in <GROUP SEQUENCE>.

Pentax camera and flash supports:

- Fixed the misfiring when using Pentax 645Z with Pentax AF540 FGZ II;
- Fixed the misfiring with Pentax flashes while the flash heads are tilted.

#### Firmware V1.1.008 (Released on 16 Mar 2017)

New feature and bug fixes on AF-assist LED:

- Manual AF-Continuous Mode: Replaced the current options of <OFF> and <ON> in the <AF-CONTINUOUS> menu with <OFF> and <AUTO>, where <AUTO> functions as the previous <ON> (see Firmware Release Note V1.1.005). A new <MANUAL> option has been added. The 3 options function as below:
  - <OFF>: The LED will turn on and off in accordance with the commands of the camera.
  - <AUTO>: The LED will turn on continuously and turn off just before a main flash is fired. It will be turned on automatically in 2 seconds.
  - <MANUAL>: The LED will be off by default. Press and hold [MENU], and full press the [TEST] button simultaneously to turn on the LED. The LED will turn off just before a main flash is fired. It will not be turned on automatically.
- Fixed the late turn-off of the AF-assist LED, causing red beam being captured on photos;
- Fixed the AF-assist LED turning off mistakenly when the <AF POWER> has been adjusted on the V6 II TX.

Nikon flash support:

- Fixed the malfunction of Nikon SB-700 and SB-910 on the V6 II TX after a power cycle in TTL pass-through mode.

Pentax flash supports:

- Fixed the sync problem in x-sync shutter speed with Pentax flash on V6 II TX;
- Fixed the non-response of Pentax system flashes on the V6 II RX after the <FLASH SYSTEM> is set to <PENTAX> manually.

## Firmware V1.1.007 (Released on 13 Feb 2017)

### Factory setting:

- The factory setting of <WORK RANGE> in <RADIO SETUP> is now set to <SHORT>.

### Canon flash supports:

- Fixed the non-response with Godox V860C caused by triggering while the flash is being recycled.

### Nikon flash supports:

- Added the flash profile of Godox V860N to fix the inaccurate power output in high-speed sync shutter.

### Fujifilm camera and flash supports:

- Fixed the occasional misfiring with Fujifilm X-T2 and Canon 580EX.
- Fixed the flash sync problem in HSS after activating the <TTL PASSTHROUGH>.
- Fixed the misfiring with Olympus system flashes when the zoom is set to 24mm or below.

### Pentax camera and flash supports:

- Fixed the banding issue when firing HSS flash with Pentax 645Z and Canon system flashes by configuring the V6 II TX to a special setup. In <CAMERA AND FLASH SETUP>, turn the selection dial to <CUSTOM SETUP>. Press [OK] and turn the selection dial to <TYPE 1>.
- Fixed the failure of applying the AUTO flash profile after auto-detecting the Pentax flash system.
- Fixed the sync problem in <TTL PASSTHROUGH> with Pentax flash when the Pentax camera is set to P, AV or TV modes.
- Fixed the over-exposure problem in <TTL PASSTHROUGH> with Metz Pentax flash.

## Firmware V1.1.006 (Released on 02 Dec 2016)

### Bug fixes:

- Fixed the problem when activating or deactivating a group in the TX, the MENU display in RX returns unexpectedly to the main screen.
- Fixed the problem of RX not triggering through the 3.5mm x-sync port in HSS after the firing once.
- Fixed the problem of RX not updating the group activation status when the TX is

in the ZOOM panel.

#### User interface improvement

- Widened each step in Power Sync timing adjustment. The overall adjustable range is larger.

#### Olympus camera and flash supports:

- Re-calibrated all Olympus flash profiles to improve the accuracy of power level output.
- Fixed the flash sync problem when using Nikon flash as on-camera flash on top of an Olympus camera.

#### Fujifilm camera supports:

- Fixed the problem of <Learn HSS> not working when the <FORCED HSS> is enabled first.
- Fixed the flash sync problem when using Nikon flash as on-camera flash on top of a Fujifilm camera.

#### Panasonic flash supports:

- Fixed the missing Panasonic flash profiles in the Olympus (M43) flash system.

#### Firmware V1.1.005 (Released on 31 Oct 2016)

#### New features:

- Firmware version display: The firmware version being installed is now shown in <FIRMWARE VERSION> under <PREFERENCES>.
- AF-assist Continuous mode: For cameras that do not support AF-assist on external flashes, use AF-continuous mode. In <PREFERENCES> menu of the V6 II TX, turn the selection dial to <AF-CONTINUOUS>. Press [OK] and turn the selection dial to switch <ON> or <OFF> the AF-assist continuous mode.

#### Notes:

1. The LED will switch off automatically before a flash is fired to prevent the AF-assist light from being exposed in the picture. The LED will switch off for one second for each shot.
2. The RX units will synchronize the AF-assist command from the TX. No setup is required.

#### Bug fixes:

- Fixed the problem of RX not triggering the flash with test button when the delay timer is set.
- Fixed the missing timer cursor after clearing the delay value by pressing and holding the OK button.
- Fixed the failure of delayed triggering after a series of continuous shoots.
- Fixed the wrong cursor display after switching off group A in the group sequence mode A-B-C-D. The cursor stays on group A even the group has been turned off.
- Fixed the TX being frozen after disabling all groups in group sequence mode.
- Fixed the RX being frozen when triggered immediately upon switching on the Forced HSS.
- Fixed the problem of TEMPORARY UNLOCK still working even though it has been set to OFF in the menu.
- Fixed the wrong status LED signal on TX in delay mode.

#### Canon camera and flash supports:

- Fixed the unexpected low battery warning on Nissin MG8000 for Canon;
- Improve the reliability when using Canon 1Dx in large apertures with Nissin MG8000 for Nikon.

#### Nikon flash supports:

- Added the profile of Sigma EF610\* (for both EF-610 DG ST and DG Super) for Nikon.

#### Fujifilm camera supports:

- Added support for Fujifilm X-T2 and X-Pro 2 (firmware 2.0).
- Improved the success rate of auto detect to the Fujifilm cameras.

#### Panasonic camera supports:

- Fixed the triggering failure in normal HSS or Power Sync after Panasonic GH2, GH3 or GH4 getting into the sleep mode.

#### Firmware V1.1.004 (Released on 05 Sept 2016)

#### Bug fixes:

- Fixed the incorrect delay time shown in the RX display when working with a TX unit with relay mode and delay timer activated simultaneously;
- Fixed the status LED of the TX not blinking during the countdown in delay mode.

- Fixed the status LED of the RX not responding when it is being triggered by pressing the test button on the TX;
- Fixed the problem of the on-camera flash being mistakenly turned off when all group has been disabled in TX;
- Fixed the off-camera flash on the RX unit being mistakenly triggered when the relay mode and the group sequence mode have been activated in the TX simultaneously;
- Fixed the problem of camera system setting taking effect only after a power cycle;
- Fixed the problem of temporary unlock configuration not being memorized after a power cycle;
- Fixed the occasional non-response of the RX after off-camera flash being removed and re-attached;
- Improved the reliability of wireless communications between TX and RX.

#### Canon camera and flash supports:

- Fixed the flash sync problem when using Pixel X650C as on-camera flash on the TX unit;
- Fixed the problem of the flash mode being changed from E-TTL to TTL briefly when browsing or selecting in the flash system and flash profile menu;
- Fixed the misfiring problem with Nissin MG8000 for Canon;
- Fixed the triggering problem when Canon is being selected manually in the camera system and flash system menu;
- Fixed the non-response of the TX after the on-camera Canon flash being turned off or removed;
- Fixed the uneven flash exposure with Canon 30D when working with RF60 in normal HSS;
- Improved the reliability when using 7D and 20D series cameras in normal HSS.

#### Nikon flash supports:

- Fixed the non-response of Nissin MG8000 for Nikon after firing in high power levels;
- Fixed the wrong recharge LED signal when the Nikon system flash are being used on the TX as on-camera flash.

#### Olympus camera and flash supports:

- Fixed the problems when using Olympus FL-600R with Olympus camera in TTL pass-through mode. In older versions, the on-camera flash limited the camera's

- shutter speed to the x-sync and fired full-power flashes all the time;
- Fixed the sync problems with on-camera flashes when working with Olympus cameras;
- Added support to Olympus manual lenses.

Pentax camera and flash supports:

- Fixed the inability to control zoom when using Olympus system flashes on TX with Pentax cameras;
- Fixed the non-response of the TX after the on-camera Pentax flash being turned off or removed.

Fujifilm camera and flash supports:

- Fixed the wrong power output when working with Nissin i40 for Fujifilm as on-camera flash;
- Fixed the zoom control issues of the on-camera flashes when working with Fujifilm cameras;
- Fixed the sync problem in normal HSS when working with Fujifilm X-T1.

User interface improvement:

- An error message would be shown on the TX when DELAY is set up in MULTI-MASTER mode, or vice versa. These two functions cannot work simultaneously.

Firmware 1.1.003 (Released on 12 Aug 2016)

Bug fixes:

- Fixed the incorrect power output of test fires commanded by pressing the test button on the V6 II TX;
- Fixed the triggering problem when working with RF60 Master;
- Fixed the triggering problem that the V6 II is triggered by the V5 TX only when it is set to group A;
- Fixed the triggering problem when the RX is set to Manual. The remote flash could be triggered even the group is OFF;
- Fixed the wrong TTL pass-through display being shown in the RX mode;
- Enabled the triggering signal via the x-sync port of the V6 II TX;
- Fixed the issues found in Bulb mode.

Nikon camera and flash supports:

- Fixed the problem of switching the Nikon SB-900 to A mode when it is awakened

from the sleep mode. When the flash was in A mode, the V6 II would not be able to command its power level.

#### Olympus camera and flash supports:

- Fixed the communication problem with the Olympus flashes in TTL pass-through mode after the V6 II is removed and reconnected to the camera;
- Fixed the misfire problem when working with Olympus EM-1 and FL-600R in TTL pass-through mode;
- Fixed the incorrect sync time of the Olympus flashes as on-camera flash on the V6 II TX;
- Added the flash profile of Olympus FL-600R.

#### Canon camera and flash supports:

- Fixed the triggering problem when using Olympus or Nikon system flashes on the Canon cameras with a V6 II TX;
- Fixed the over-exposure and misfiring problem in TTL pass-through mode with Canon camera;
- Fixed the problem of not being able to switch Canon system flashes from TTL mode to E-TTL mode in some instances.

#### Pentax camera and flash supports:

- Fixed the wrong power level output in TTL pass-through mode with Pentax camera.

#### Firmware 1.1.002 (Released on 25 Jul 2016)

#### Bug fixes:

- Fixed the missing high speed sync trigger via the x-sync port when the V6 II RX has been set to Canon or Manual flash system;
- Fixed the misfiring problem when the AF-Assist light is triggered frequently;
- Fixed the occasional system failure during the change of camera setup, or in a wrong camera setup on the V6 II TX;
- Fixed the dial lock not locking the push-in dial when toggling to and from the forced HSS mode with a Fujifilm camera;
- Fixed the problem of V6 II RX responding to triggering signals from V6 II TX irrespective of which group has been activated, when the flash system is set to Manual;
- Fixed the SHORT work range options not being memorized after a power cycle;

- Fixed the bulb mode on the RX being turned off mistakenly by the release of test button on the TX;
- Fixed the RX not responding to the triggering signal in Manual flash profile, when the camera system on the TX does not match with the flash TTL system on the RX.

Pentax camera and flash supports:

- Added the flash profile of Metz 64 AF-1 for Pentax;
- Fine-tuned the range of Power Sync adjustment for Pentax cameras to catch up with the Power Sync.

Canon camera and flash supports:

- Fine-tuned the range of Power Sync adjustment for Canon 1Dx series to catch up with the Power Sync;
- Fixed the misfiring problem with Canon 1D series;
- Fixed the problem of Godox V860C and Shanny SN600C sleeping briefly after being triggered;
- Fixed the misfiring problem when connecting a Canon system flash on the TX.

Nikon flash supports:

- Fixed the problem of Nissin Di-866 Mk II and MG8000 for Nikon not syncing in normal HSS mode.

### **X-TTL for Canon**

#### **Firmware CAN.A.003 (Released on 28 Sep 2018)**

Bug fixes:

- Fixed the occasional misfiring and incorrect power levels when working with specific flash models.

#### **Firmware CAN.A.002 (Released on 14 Aug 2018)**

Compatibility update:

- Compatible with V6 IIs, V6, RF60X and RF60 with the current firmware generation (with prefix A.xxx or A.xx).

### Firmware CAN.A.001 (Released on 25 May 2018)

- First release;
- Support Cactus RF60X and RF60 with firmware version prefix Axx (A.07 or later for RF60X and A.06 or later for RF60).

### X-TTL for Fujifilm

### Firmware FUJ.A.003 (Released on 28 Sep 2018)

#### Bug fixes:

- Fixed the occasional misfiring and incorrect power levels when working with specific flash models;
- Fixed the missing status information on RX unit.

### Firmware FUJ.A.002 (Released on 14 Aug 2018)

#### Compatibility update:

- Compatible with V6 IIs, V6, RF60X and RF60 with the current firmware generation (with prefix A.xxx or A.xx).
- Supports Fujifilm X-100.

### Firmware FUJ.A.001 (Released on 20 Apr 2018)

#### Bug fixes:

- Fixed the inaccurate power output at 1/512 of Fujifilm EF-X500. The flash would go to 1/256 in the manual mode even the V6 II power level is set to 1/512;
- Fixed the <POWER SYNC> not working;
- Fixed the problem when <RADIO ID> is set to any number other than 1;
- Fixed the <GROUP SEQUENCE> problem that all flash group gets triggered regardless of the set sequence;
- Fixed the non-triggering problem when <CAMERA SYSTEM> is set to <OTHERS> in TX menu;
- Fixed the problem of AF assist light being captured in a picture when <AF ASSIST> in the TX menu is set to <AUTO>;
- Fixed the compatibility issue with Nissin i60 for Fujifilm;
- Improved the accuracy of the battery indicator at low battery voltage;
- Added 1/1 step option in <EV SETUP> menu;

- Recalibrated the auto flash power output in TTL mode.

Compatibility:

- Support Cactus RF60X with firmware version prefix A.xx and Cactus RF60 with firmware prefix prefix A.xx.

Firmware FUJ.1.002 (Released on 03 Jul 2017)

Bug fixes:

- Fixed various sync time and power output issues with Canon system flashes.
- Fixed the problem in controlling zoom with Fujifilm EF-42 and EF-X500.
- Fixed the inaccurate flash power of off-camera flashes when being triggered by test button pressing on the V6 II TX.
- Fixed the broken sequence in <GROUP SEQUENCE> mode.

New functions:

- *Group metering*: In group metering, the through-the-lens metering is executed separately for each off-camera group. To turn on group metering, press [MENU]. Turn the selection dial to <CAMERA & FLASH SETUP> sub-menu, press [OK]. Turn the selection dial to <GROUP METERING> and press [OK]. Turn the selection dial to <ON> and press [OK]. Group D will be disabled when group metering is turned on.
- *TTL Ratio A:B*: The required TTL power level to achieve a proper exposure will be distributed in a specific ratio to group A and B. To switch the control panel to TTL Ratio A:B, make sure that the group metering has been turned on. Press [MENU], turn the selection dial to <POWER SETUP> sub-menu, and press [OK]. Turn the selection dial to <FLASH MODE>, press [OK]. Turn the selection dial to <A:B RATIO> and press [OK].
  - Press and hold [A] while turning the selection dial to *adjust the TTL compensation of A:B group*.
  - Press and hold [B] while turning the selection dial to *adjust the A:B ratio from 8.0:1 to 1:8.0*.
  - The flash mode and power level of group C can be controlled separately. Group D will be disabled.
- *Master control on Fujifilm cameras*: In the group metering mode, control the off-camera flashes in A, B, or C group on <FLASH FUNCTION SETTING> menu of the Fujifilm camera and the V6 II TX will communicate with the RX units on behalf of the camera.

Flash compatibility:

- Added support to Metz M400 for Fujifilm.

Firmware FUJ.1.001 (Released on 04 Jul 2017)

- First release;
- Supports Cactus RF60X with firmware version prefix 1.xx and RF60 with firmware version prefix 2.xx.

### **X-TTL for Nikon**

Firmware NIK.A.004 (Released on 28 Sep 2018)

Bug fixes:

- Fixed the occasional misfiring and incorrect power levels when working with specific flash models.

Firmware NIK.A.003 (Released on 14 Aug 2018)

Compatibility update:

- Compatible with V6 IIs, V6, RF60X and RF60 with the current firmware generation (with prefix A.xxx or A.xx).

Firmware NIK.A.002 (Released on 16 Mar 2018)

- Recalibrated the positive compensation on the TTL flash exposures.
- Added 1/1 step option in <EV SETUP> menu.

Firmware NIK.A.001 (Released on 02 Mar 2018)

- First release;
- Supports Cactus RF60X and RF60 with firmware version prefix Axx (A04 or later for RF60X; A03 or later for RF60).

## **X-TTL for Olympus**

### **Firmware OLY.A.003 (Released on 28 Sep 2018)**

#### Bug fixes:

- Fixed the occasional misfiring and incorrect power levels when working with specific flash models.

### **Firmware OLY.A.002 (Released on 14 Aug 2018)**

#### Compatibility update:

- Compatible with V6 IIs, V6, RF60X and RF60 with the current firmware generation (with prefix A.xxx or A.xx).

### **Firmware OLY.A.001 (Released on 1 Dec 2017)**

- First release;
- Supports Cactus RF60X and RF60 with firmware version prefix Axx (A02 or later).

## **X-TTL for Pentax**

### **Firmware PEN.A.004 (Released on 28 Sep 2018)**

#### Bug fixes:

- Fixed the occasional misfiring and incorrect power levels when working with specific flash models.

### **Firmware PEN.A.003 (Released on 14 Aug 2018)**

#### Compatibility update:

- Compatible with V6 IIs, V6, RF60X and RF60 with the current firmware generation (with prefix A.xxx or A.xx).

### **Firmware PEN.A.002 (Released on 11 July 2018)**

#### Bug fixes:

- Removed the wrong option of <TTL RATIO A:B> in the <FLASH MODE> menu.
- Fixed the auto-detection of Pentax flashes when the flash heads are tilted up.

- Fixed the unintended updates of the camera statuses on the main screen when the camera is set to A or ATv mode.

Improvement:

- Manual flashes on the RX units can now be triggered at HSS shutter speed when the <MANUAL FLASH> profile is in use.

Firmware PEN.A.001 (Release on 07 Nov 2017)

- First release
- Support Cactus RF60X and RF60 with firmware version prefix Axx (A01 or later).

**X-TTL for Sigma**

Firmware SIG.A.003 (Released on 28 Sep 2018)

Bug fixes:

- Fixed the occasional misfiring and incorrect power levels when working with specific flash models.

Firmware SIG.A.002 (Released on 14 Aug 2018)

Compatibility update:

- Compatible with V6 IIs, V6, RF60X and RF60 with the current firmware generation (with prefix A.xxx or A.xx).

Firmware SIG.A.001 (Released on 20 Apr 2018)

Bug fixes:

- Improved the accuracy of the battery indicator at low battery voltage.
- Added 1/1 step option in <EV SETUP> menu.

Compatibility:

- Supports Cactus RF60X with firmware version prefix A.xx and Cactus RF60 with firmware prefix A.xx.

### Firmware SIG.1.002 (Released on 03 Jul 2017)

#### Bug fixes:

- Fixed various sync time and power output issues with Canon system flashes.
- Fixed the problem of executing the TTL power compensation by on-camera or off-camera flashes occasionally.
- Fixed the problem in controlling zoom with Fujifilm EF-42 and EF-X500.
- Fixed the problem in delivering AF-assist light when the camera is in P, A or S mode.
- Fixed the inaccurate flash power of off-camera flashes when being triggered by test button pressing on the V6 II TX.

#### Flash compatibility:

- Added support to Metz M400 for Fujifilm.

### Firmware SIG.1.001 (Released on 07 Jul 2017)

- First release
- Support Cactus RF60X with firmware version prefix 1.xx and RF60 with firmware version prefix 2.xx