Cactus V6 Firmware Release Notes

Cactus Firmware Compatibility

Firmware Generations	V6 II	V6 IIs	V6	RF60	RF60X
Current "A" versions	V62.A.001 Multi-brand HSS CAN.A.004 Canon X-TTL FUJ.A.004 Fujifilm X-TTL NIK.A.005 Nikon X-TTL OLY.A.004 M43 X-TTL PEN.A.005 Pentax X-TTL SIG.A.004 Sigma X-TTL	SON.A.004 Sony X-TTL	V61.A.003 Multi-brand	A.07	A.08
Legacy versions	1.1.013 Multi-brand HSS	SON.1.002 Sony X-TTL	2.1.001 Multi-brand	2.05	1.03

Same generation firmware for different devices is compatible with each other.

Firmware V61.A.003 (Released on 13 Nov 2018)

Bug fix:
- Fixed the misfiring problem in RX mode, when being triggered by the V6 II or V6 IIs in TX mode.

Firmware V61.A.002 (Released on 27 Sep 2018)

Bug fixes:

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

Firmware V61.A.001 (Released on 13 Aug 2018)

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

Firmware 2.1.001 (Released on 20 Oct 2016)

New features:
- Added support for V6II / IIS (all firmware versions) and RF60 Master (with firmware version 2.00 or later):
  - ■ Remote power and group control;
  - ■ Triggering within the x-sync shutter speed;
  - ■ Delay commanded by TX;
  - ■ Group sequence;
  - ■ Remote shutter release.
- Added POWER SYNC in A-TTL mode when working with V6 II / V6 IIs TX. Please note that not all the flash models are compatible to the POWER SYNC supports. In the <CHOOSE PROFILE> menu of the V6, a ⓟ icon would be shown for supported flash models.
- Delay in seconds is now supported: In the <DELAY> menu, choose <SET SEC> to configure the delay timer from 1 to 99 seconds.

User interface improvement:
- Firmware version check: In the sub-menu, turn the selection dial to <FIRMWARE VERSION> to check the firmware version being installed on the V6.

Compatibility:
- Fixed the compatibility issue on Metz 48 AF-2 for Pentax after updating the flash firmware to 6.0.

Firmware 1.1.019 (Released on 03 Dec 2015)

New feature:
- **Sports shutter**: When a camera that is set to high-speed continuous shutter (3

frames per seconds or faster) triggers another camera via V6, instead of sending trigger signals for EACH shot, the TX will command the RX to shoot continuously until the shutter button of the camera is released. The camera connected to the V6 RX would then be able to shoot at its own continuous shoot setting. The sports shutter can be ENABLED or DISABLED in the Menu of the V6 in RX mode.

Flash profile learning improvement:
- Increased the time intervals between the testing flashes of 1/2, 1/4 and 1/8 power in the flash profile learning program to work with flash units that take longer time to recycle.

User interface improvement:
- Added a delay mode indicator "DEL" to the V6 TX main screen to show the delay status when a delay has been set. Together with the relay mode indicator "REL" and TTL pass-through mode indicator "TTL", one of these three icons may replace the channel indicator on V6 TX in the following order of priority: "REL" -> "DEL" -> "TTL". A mode indicator in higher priority will replace the others in lower priorities.

Bug fix:
- Fixed the inaccurate working range parameters executed after a power cycle if the WORKING RANGE had been set to SHORT before.

Firmware 1.1.016 (Released on 03 Aug 2015)

New features:
- Released the profile for Nikon SB-500.
- Implemented a solution for a camera triggering another camera with autofocus enabled. Switch the V6 units to Relay mode. When the V6 TX is triggered by the camera shutter via the male hot shoe, the V6 RX would instantly release the AF (half press) signal, and after 0.3 sec. the shutter (full press) signal.

Bug fixes:
- Improved the reliability of RF transmission in Relay mode.
- Fixed the failure of adjusting the zoom levels of RF60 when V6 TX is in Relay mode.
- Fixed the occasionally not responding error when the V6 TX is working with a Canon camera and an on-camera flash with TTL pass-through enabled.

Firmware 1.1.010 (Released on 21 May 2015)

Flash profile tuning:
- Recalibrated the power output of Olympus and Panasonic flashes;

Firmware 1.1.009 (Released on 16 Apr 2015)

User interface improvement:
- The TEMPORARY UNLOCK feature of the selection dial can now be enabled or disabled in the SUB-MENU.

Improvement to Nikon flash profiles:
- Increased the full power output of the flash profiles of Nikon SB-910, SB-900 and SB-700 to the level of their maximum output in the Manual mode. Comparatively, the full power output in the previous firmware could only reach their maximum output in the TTL mode, which is 1/3 EV lower than that in the Manual mode.

Firmware 1.1.008 (Released on 19 Jan 2015)

New feature:
- Released the profiles of Pentax AF540FGZ II (shown as "AF540F2" on screen) and AF360FGZ II (shown as "AF360F2").

Firmware 1.1.007 (Released on 18 Dec 2014)

Bug fixes:
- Fixed the triggering failure via x-sync port with the "Manual" flash profile in V6 RX when working with a V6 TX on a Olympus / Panasonic camera.
- Fixed the wrong display being shown in V6 TX when the selection dial has been turned during the bulb mode.
- Fixed the inability in memorizing the "Manual" flash profile after a power cycle.

User interface improvement:
- Fine-tuned the battery level indications to prevent fluctuated readings caused by heavy use in a short period of time.

Firmware 1.1.006 (Released on 08 Dec 2014)

Bug fixes:
- Fixed the inconsistent power output of SB-600, SB-900 and SB-910 profiles after switching off and on the V6 again.
- Fixed the triggering issue with the profile of Nissin Di-866 for Canon.

User interface improvements:
- Standardized the LED signal length on RX whether it is triggered from the TX in group sequence mode or not.
- Improved the commands of the group buttons:
  1. Press and hold a group button will always select the group, irrespective of whether that group has been activated, or whether any group has been selected;
  2. There are now two levels of group selection in the main screen. Press and hold a group button (e.g., group A) to *permanently* select a group for parameter adjustments. In the meantime, press another group button (e.g., group B) and turn the dial simultaneously to *temporarily* adjust its parameter without changing the permanent selection status of the former group (i.e. group A).
  3. The group commands now extend to the menu. Short press any group button in the menu will activate or deactivate the group as it does in the main screen. Press and hold any group button in the menu will instruct V6 to return to the main screen and select the group.

Firmware 1.1.004 (Released on 12 Nov 2014)

Bug fixes:
- Fixed the problem of not responding to the first trigger after the V6 is powered on in channel 13-16.
- Fixed the issue of retrieving the last delay timer setting when the V6 is powered on in RX mode, even though the timer has been turned off before the power cycle.
- Fixed the problem in the Phottix Mitros (or Mitros +) flash profile of not responding to the V6 after the flash capacitor has been fully discharged.
- Fixed the incorrect number of found flashes shown in absolute power setup in V6 TX.

- Fixed the unintended toggling between swap function (Zoom (Cactus) or Quick Power Adjustment) and the power level screen after setting up the absolute power or choosing a flash profile in V6 TX.

New features:
- Released the following flash profiles for Four-Third and Micro Four-Third system from Olympus and Panasonic*: Olympus FL-50R, FL-36R; Panasonic FL-500R, FL-360R; Metz 58 AF-2, 52 AF-1, 44 AF-1.
  *Note: The following models will NOT be available in the later firmware updates, due to the limitation of the hardware design: Olympus FL-600R, FL-300R; Panasonic FL-580L, FL-360L.
- Released the profile for Godox V860N for Nikon.

Firmware 1.0.185 (Released on 18 Sept 2014)

Bug fixes:
- Fixed the problem of V6 not memorizing the selection dial direction after switching off.
- Fixed the problem of V6 TX not transmitting signal by hot shoe triggering when being switched on in channel 10-16. When this problem occurs, pressing the test button once will activate the V6 again.

Firmware 1.0.184 (Released on 05 Sept 2014)

Bug fixes:
- Fixed the incorrect and inconsistent flash power output of Nikon SB-900 and SB-700, especially the 1/2 power and 1/1 full power.
- Fixed the occasional erratic changes in setting when working with Nikon SB-800.
- Fixed the relay mode in RX not working properly in Channel 1 after upgrading to 1.0.175.
- Fine-tuned the response of the push-in button.
- Fine-tuned the response of the test button to prevent duplicated triggering.

Firmware 1.0.175 (Released on 31 Jul 2014)

Bug fix:
- Fixed the missing highlight of the chosen group on the TX main screen after selecting a single group and switching to or from the Zoom (Cactus) mode.

Firmware 1.0.173 (Released on 29 Jul 2014)

Bug fix:
- Flash power output in the profiles of Nikon SB-910, SB-900 and SB-700 recalibrated.

New features:
- **Selection dial lock:** To prevent unintended turning of the selection dial and its consequence in affecting the power levels being set unintentionally, the dial can now be locked:
  1. On the TX main screen, pressing and holding the selection dial or the OK button for 2 seconds will lock the selection dial from adjusting all group or single group power level. (Note: The short-cut to adjust a single group power level by pressing a group button and turning the dial simultaneously will be unaffected.)
  2. To temporarily unlock the selection dial, press the selection dial or OK button once. Alternatively, press and hold any group button to select a group for power level adjustment. The dial will be locked again when no button or dial is pressed or turned for 2 seconds.
  3. To permanently unlock the selection dial, press and hold the selection dial or the OK button for 2 seconds.
- **Group sequence:** In the new menu item <GROUP SEQUENCE> on the TX units, choose one of the following options to trigger the RX units in a group sequence:
  1. A-B-C-D: The first trigger in a series will fire group A, then group B and so on. The fifth trigger will fire group A and start the cycle again. Another series will restart at group A when there is no triggering event in 2 seconds.
  2. AB-CD: The first trigger in a series will fire group A and B together, then group C and D. The third trigger will fire group A and B, and start the cycle again. Another series will restart at group AB when there is no triggering event in 2 seconds.

Firmware 1.0.160 (Released on 07 Jul 2014)

Bug fix:
- Fixed the wrong delay time execution when S1 mode is activated in TX mode.

Firmware 1.0.159 (Released on 03 Jul 2014)

Bug fix:
- Fixed the problem related to the flash profile of Nissin Di-700 for Nikon which instantly enters into sleep mode after being triggered.

Firmware 1.0.158 (Released on 20 Jun 2014)

Bug fix:
- Fixed the occasional problem in flash triggering when the V6 TX is in TTL pass-through mode by streamlining the TTL pass-through signals as per the FLASH PROFILE chosen in the TX menu. To prevent unintended firing (or misfiring) or no triggering in TTL pass-through mode, choose any Canon flash profile for a Canon flash, Nikon flash profile for a Nikon flash. For other camera systems, please choose MANUAL FLASH to work with the TTL pass-through mode. Choosing a Nikon profile to work with a Canon flash in TTL pass-through mode could cause unintended triggering.

New feature:
- The TTL pass-through status will be memorized when the V6 is switched off.

Firmware 1.0.156 (Released on 16 Jun 2014)

Bug fix:
- Fixed the problem of not firing properly when choosing the MANUAL FLASH profile for some of the Nikon i-TTL flash models.

New features and user interface improvements:
- Flash UNLOCK function added to the RX mode. Press and hold [MENU] button will unlock the flash in RX mode. The LCD screen will show <FLASH UNLOCKED> instantly. Users would be able to adjust the setting on the flash. The flash will be locked again upon subsequent triggering. (Note: Press and hold [MENU] button in TX mode, which activates the TTL pass-through mode, will unlock the flash on V6 TX as well.)
- Delay timer setting:
    a) The timeout of the delay timer setting menu is prolonged to 60 seconds. After 60 seconds of inactivity, the delay timer setting will end and the LCD will return to the main screen.

b) The decimal digit before the one being set will be adjusted, so that 000<u>9</u> will become 001<u>0</u> (or 0<u>9</u>00 will become 1<u>0</u>00) when users increase the selected digit from 9 to 0 or 001<u>0</u> will become 000<u>9</u> (or 05<u>0</u>0 will become 04<u>9</u>0) when users decrease the selected digit from 0 to 9.

- Profile learning:
  a) The maximum GN (in meters) supported has been increased from 70 to 80.
  b) Two steps have been reorganized for smoother experience. The step <LEARN SYSTEM: CANON / NIKON / PENTAX> will go first and then the LCD will show <SET FLASH TO TTL MODE: GO>. Upon confirming with <GO>, the flash will test fire twice.

Firmware 1.0.152 (Released on 15 May 2014)

Bug fixes:
- Fixed the problem of the V6 TX locking the V5 RX in the same channel.
- Unified the behaviors when the V5 RX is triggered by the V6 TX by full-pressing test button and hot shoe sync, with no group being activated; V5 RX will not be triggered if no group is activated on the V6 TX.
- Further optimized the timeout value of the pre-flash in S2: MAIN FLASH to avoid misidentification of the main flash in a rear-curtain long exposure set up as another pre-flash. It now supports rear-curtain long exposure up to 2 second.
- Resolved the problem of misfiring the RX units when wrong flash profiles are selected in V6 TX in TTL pass-through mode.

New feature:
- A new configurable option called WORK RANGE in the SUB-MENU. The option SHORT is offered for users who need to place the V6 TX very close to the V6 RX units (e.g. when shooting macro), while the option LONG is for normal shooting.

Firmware 1.0.146 (Released on 07 May 2014)

Bug fixes:
- Fixed the problem of the V6 not retaining the EV offset value (accessible in the menu CHOOSE PROFILE -> LEARNED -> PROFILE NAME -> MODIFY) of the learned flash profiles.
- Redefined the timeout value of the pre-flash in S2: MAIN FLASH to avoid misidentification of the main flash in a rear-curtain long exposure set up as another pre-flash.

Flash Profiles:
- Renamed the pre-installed flash profile 580EX2 and 430EX to 580EX* and 430EX* respectively, so as to reflect the compatibility of the renamed profiles to all versions of the model (e.g. 580EX* works with both 580EX II and 580EX).

Firmware 1.0.144 (Released on 29 Apr 2014)

Bug fix:
- Fixed the problem of the V6 TX ignoring extremely short trigger signal inputs via x-sync port.

Firmware 1.0.139 (Released on 21 Apr 2014)

Bug fixes:
- Fixed the wrong label of Metz flashes in the Pentax system flash profile list;
- Fixed the problem of the V6 TX erasing the finer precision of the group power levels after adjusting them to and from Lo power in quick power adjustment mode.
- Fixed the problem of the V6 TX not retrieving the original EV step after switching off in quick power adjustment mode.