



User Manual

Purchase and Installation of INTUITIV for Photoshop

Requirements

- Photoshop Version: Make sure you have Photoshop version 22 or later (preferably version 24).
- Adobe Creative Cloud: Must be installed and updated to the latest available version.

1. Purchasing Intuitiv through Adobe Exchange

1. Open the Adobe Creative Cloud Desktop application.
2. Go to the Stock and Marketplace tab.
3. Search for "Intuitiv" using the search bar. Or go to the link <https://exchange.adobe.com/apps/cc/0f54a4d6/intuitiv>
4. Select the product to view details.
5. Click on Purchase. You will be redirected to Adobe Exchange to complete the purchase or download.

2. Installing Intuitiv UXP

****Method via Creative Cloud****

1. After completing the purchase or selecting "Get", Adobe Creative Cloud will automatically start the installation process.
2. A notification will confirm the completed installation.
3. If Photoshop is open, close and reopen it to load the new plugin.

****Manual method with .ccx file****

1. Download the .ccx file from the plugin's official website or from Adobe Exchange.
2. Open the .ccx file: this will automatically start the installation through the Unified Plugin Installer Agent (UPIA) included in Creative Cloud.
3. Wait for installation confirmation.

3. Accessing the Plugin in Photoshop

1. Open Photoshop.
2. Go to the Plugins menu in the top bar.
3. Find and select the installed plugin "Intuitiv" to start using it.

4. Troubleshooting Common Issues

- The plugin does not appear in Photoshop:
 - Verify that your Photoshop version is compatible (22 or later).
 - Check that the plugin has been correctly installed through Creative Cloud.
- Error during manual installation of the .ccx file:
 - Make sure the file is not corrupted and that it is opened directly with Creative Cloud.
- Plugin not working after installation:
 - Restart Photoshop and verify that the plugin is activated in the Plugins menu.

If after purchasing Intuitiv from Adobe Exchange the installation does not happen automatically, here's how to proceed manually:

1. Log in to your Adobe Creative Cloud account.
2. Download the Intuitiv .ccx file from the Adobe Exchange page or from the "My Purchases" section in your Adobe account.
3. Locate the downloaded .ccx file on your computer.
4. Double-click on the .ccx file. This should automatically start the installation through Creative Cloud.
5. If double-clicking doesn't work, open Adobe Creative Cloud Desktop.
6. In the "Plugins" tab, click on "Manage Plugins".
7. Drag the downloaded .ccx file into the plugin management window.
8. Wait for the installation to complete.
9. Restart Photoshop.

10. Verify that Intuitiv is present in the "Plugins" menu of Photoshop.

If the manual installation doesn't work, try these additional steps:

- Make sure your Photoshop version is compatible (22 or later).
- Verify that Creative Cloud is updated to the latest version.
- Temporarily disable the firewall or antivirus and try the installation again.
- If the problem persists, contact Adobe support or Intuitiv developers for assistance.

HOMEPAGE – main page

1. Main Menu

- Menu: Opens the plugin's main menu, where you can access other pages.
- Language (ita): Allows you to change the interface language (Italian or other supported languages).

2. Select Luminance

This section helps you create selections based on the image brightness:

- Lights (L1 - L5): Selects the brightest areas of the image. L1 is the most intense selection, while L5 includes a wider range of lights.
- Midtones (M1 - M3): Selects the middle tones. M1 is more restricted, while M3 covers a wider range.
- Shadows (D1 - D5): Selects the dark areas. D1 is very selective, while D5 includes broader shadows.

Associated buttons:

- Correct Selection: Improves and optimizes the current selection to make it more precise.
- Apply Mask: Applies the selection as a mask to the active layer.

3. Quick Masks

- Full Mask: Creates a completely white mask, which selects the entire image.
- Empty Mask: Creates a completely black mask, which selects nothing.

4. Mask Adjustments

These sliders allow you to customize created masks:

- Brush Size: Adjusts the brush size to manually modify the mask (from 1px to 500px).

- Mask Density: Controls the overall opacity of the mask (0% = transparent, 100% = opaque).
- Mask Feather: Adds a feather to the mask for soft transitions (0px = no feather, 150px = maximum feather).
- Layer Opacity: Modifies the opacity of the active layer (0% = invisible, 100% = fully visible).

5. Selection Tools and Layer Management

These buttons offer quick functions for working with selections and layers:

- Deselect: Removes all active selections.
- Invert Selection: Inverts the selected area.
- Select All: Selects the entire image.
- Invert Layers: Inverts the colors of the active layer.
- Align Layers: Automatically aligns the selected layers.
- Merge Visible: Combines all visible layers into one.
- Duplicate Layer: Creates a copy of the active layer.
- Delete Layer: Removes the active layer.

6. Automatic Element Removal

These tools use advanced algorithms to remove unwanted objects from the image:

- Remove People: Automatically removes people from the image.
- Remove Cables: Removes visible cables or wires in the image.
- Remove Brush: Allows you to manually remove unwanted elements using a brush.

7. Manual Retouching Tools

- Clone Stamp: Opens Photoshop's "Clone Stamp" tool for precise manual retouching.

8. Opening Camera Raw

- Open Camera Raw: Opens the Adobe Camera Raw module to adjust exposure, contrast, white balance, and other basic image parameters.

HDR Page

The HDR section of Intuitiv is designed to manage and merge multiple shots in HDR mode, for both night and day scenes.

1. Automatic HDRi

- ****Bracketing - CLASSIC HDR method (Photoshop's HDR Pro)****

This button allows you to load a sequence of photos taken with automatic bracketing.

- Load Photos: Select the images to merge in HDR.
- The classic method is recommended for standard situations, where automatic bracketing is sufficient to capture the entire dynamic range.

- ****HDR ARITHMETIC MEAN method (for night photos)****

This tool is specific for night photos and uses an arithmetic mean to merge the shots, reducing noise and improving highlight details.

- For night photos: Load images taken with multiple exposures.

2. MANUAL HDR method ✦ NOCTURNAL

This mode requires manual bracketing during the shooting phase in the field, as automatic bracketing might not be sufficient to correctly capture the entire dynamic range of night scenes.

How to prepare the shots:

1. Create a sequence of manual shots, starting from the brightest image (clearly visible) to the darkest one.
2. The last shot must be completely black, except for the highlights (for example, shop windows or street lamps).

Layer order:

- After loading the images, make sure the layers are ordered from the darkest (at the top) to the brightest (at the bottom). (If we first take the brightest one in the field and lastly the darkest, the system will do it by itself, otherwise we will have to reorder and rename)
- Rename the layers following this scheme:
 - HDR_1: Brightest layer (placed at the bottom).
 - HDR_2, HDR_3, ... up to the last layer (the darkest).

Using the buttons:

- Load Photos: Load the sequence of images ordered as described above.
- Select the number of shots taken in the field:
 - HDR4 ✦, HDR5 ✦, HDR6 ✦, etc., based on the total number of exposures taken.

- The corresponding button will merge the images and automatically create luminance masks, which can be later modified.

3. MANUAL HDR method 🌞 DAYTIME

This mode is ideal for scenes with natural light and allows you to comfortably use the camera's automatic bracketing.

How to prepare the shots:

1. Create a sequence of shots with automatic bracketing.
2. After loading the images, make sure the layers are ordered from the darkest (at the top) to the brightest (at the bottom).

Layer order:

- Rename the layers following the scheme:
 - HDR_1: Brightest layer (placed at the bottom).
 - HDR_2, HDR_3, ... up to the last layer (the darkest).

Using the buttons:

- Load Photos: Load the sequence of images ordered as described above.
- Select the number of shots taken:
 - Use the buttons without the 🌙 symbol (HDR3, HDR5, etc.) to merge the images.

4. Prepare RAW

The "Prepare RAW" function optimizes the loaded files for merging with luminance masks.

How it works:

1. After loading the photos in manual modes (nocturnal or daytime), order and rename them as required.
2. Press the corresponding buttons:
 - Buttons with the 🌙 symbol are dedicated to the nocturnal manual method.
 - Buttons without the 🌙 symbol are dedicated to the daytime manual method.
3. This function automatically prepares the RAW files to be merged with precision.

5. Advanced Tools

- **Rename:** Automatically renames the loaded layers following the correct order required by the HDR workflow.
- **Invert Layers:** Inverts the order of layers in case they were loaded incorrectly.
- **Recover Highlights:** Optimizes details in the highlights.
- **Recover Shadows:** Improves details in the shadows.

⚠ **Note:** The correct order of layers is fundamental to obtain optimal results. The brightest layer must always be placed at the bottom (HDR_1) and the darkest at the top.

STARS & MILKY WAY Page

The "Stars, Milky Way & Startrails" section of Intuitiv is designed to help you process night images, improve the starry sky, and combine shots to obtain spectacular results.

1. Stars & Milky Way

This section is dedicated to managing images that portray the starry sky and the Milky Way.

Sequence to follow:

1. ****1st: Load Lights****
 - Load the main images dedicated to capturing the stars and the Milky Way (your "Lights" shots).
 - Make sure the images are well exposed to capture the details of the sky.
2. ****2nd: Select Stars****
 - Use this button to automatically select the stars in the image.
 - After selection, refine it by manually removing non-pertinent areas, such as edges near the horizon or other parts that don't belong to the starry sky.
3. ****Expand Selection / Correct Selection****
 - **Expand Selection:** Slightly increases the selected area to include more star details.
 - **Correct Selection:** Refines the selection to make it more precise.
4. ****3rd: Align and Merge****
 - Automatically aligns the loaded shots (the stars between one shot and another will move due to the Earth's rotation)
 - Merges the shots into a single image to obtain a clean and sharp final result.
5. ****Sky Cleaning with Dark and Bias****

- If you've taken "Dark" images (photos with the lens cap on) or "Bias" (photos at minimum exposure), load them using the DARK and BIAS buttons.

- These files will be used to reduce digital noise and improve sky quality.

6. ****Reduce Hot Pixels / Improve Sky****

- Reduce Hot Pixels: Eliminates hot pixels (unwanted bright spots) from the image.
- Improve Sky: Optimizes the contrast and sharpness of the starry sky.

2. Startrails

This section allows you to create images with star trails, combining multiple night exposures.

Available modes:

- Soft Method: Produces star trails with smoother transitions between exposures, ideal for a natural effect.
- Interval Method: Creates star trails with a more dynamic effect.

3. Environment & Night Landscape

This section is dedicated to managing the ground beneath the starry sky or the lights present in the scene.

Landscape

- This button is designed to process shots exclusively dedicated to the ground (without sky).
- For optimal results:
 1. Take a series of identical photos of the ground (from 2 to a greater number).
 2. Load these images into the plugin.
 3. The plugin will merge the shots, reducing noise and increasing the sharpness of the ground.

HDR Highlights

- This button is designed to manage the highlights of the scene (for example, street lamps or artificial lights).
- To use it:
 1. Take a series of bracketed photos exclusively dedicated to the lights of the scene.
 2. The images must be very dark, so that only the lights that normally appear burnt in standard exposures are visible.
 3. Load these photos into the plugin to recover the details of the highlights.

4. Selection Tools and Layer Management

These tools are useful for combining all elements of the scene (sky, ground, and lights) into a single final image:

- Select All / Deselect: Activates or deactivates all selections present in the image.
- Select Sky / Select Ground: Allows you to quickly isolate the sky or the ground.
- Copy Layer / Paste Layer: Duplicates or pastes specific layers to work on different parts of the image.
- Align Layers / Merge Visible: Automatically aligns the loaded layers or combines all visible layers into one.
- Mask: Applies a mask to the active layer for non-destructive edits.

NB: to copy the HDR highlights, it's useful to use the L1 luminance masks in the Homepage

ND & GND FILTER SIMULATION Page

The ND and GND Filter Simulation section of Intuitiv allows you to simulate the long exposure effect of Neutral Density (ND) and Graduated Neutral Density (GND) filters using a series of identical shots taken in the field with a tripod. This tool is ideal for obtaining long exposures or balancing lights and shadows without physically using filters.

1. ND Filter Simulation

ND filters simulate a uniform reduction of light entering the lens, allowing effects such as long exposures or light reduction in very bright scenes.

Shot preparation:

1. Take a sequence of identical photos in the field using a stable tripod to avoid movements between images.
2. The photos must be taken in succession without changes to the composition or exposure.

How to use the buttons:

- ****ND8 | 3 stops****
 - Load 3 identical photos to simulate an ND8 filter (light reduction of 3 stops).
 - Ideal for scenes with slight movement
- ****ND64 | 6 stops****
 - Load 7 identical photos to simulate an ND64 filter (light reduction of 6 stops).
 - Perfect for achieving softness effects on moving water or clouds.
- ****ND1000 | 10 stops****

- Load 15 identical photos to simulate an ND1000 filter (light reduction of 10 stops).
- Used for long exposures, such as light trails or silky water.
- ****ND32000 | 15 stops****
- Load 30 identical photos to simulate an ND32000 filter (light reduction of 15 stops).
- Ideal for extremely long exposures, such as the sky in full daylight

2. GND Filter Simulation

GND (Graduated Neutral Density) filters are used to balance exposure between bright sky and darker ground, typically in landscapes.

Types of GND filters available:

- ****GND8 (0.9) Hard | 3 stops****
- Applies a sharp transition between sky and ground, ideal for scenes with a well-defined horizon.
- ****GND16 (1.2) Medium | 4 stops****
- Applies a softer transition, suitable for scenes with irregular horizons or mountains.
- ****REVERSE GND16 (1.2) Soft | 4 stops****
- Applies an inverted transition, concentrating the light reduction in the central part of the image, perfect for sunsets or sunrises where the light is more intense at the horizon.

How to use the buttons:

1. Press the button corresponding to the desired filter type.
2. The plugin will automatically apply the effect to the active layer, balancing lights and shadows.

PORTRAIT Page

The Portrait section of Intuitiv is designed to enhance and customize portraits using advanced artificial intelligence tools and manual adjustments. It offers features for skin retouching, facial feature editing, and light and shadow optimization.

1. AI Portrait

This section uses Adobe cloud-based artificial intelligence to make automatic changes to the face.

Main buttons:

- ****Correct light on face ()****

- Automatically optimizes lighting on the face, balancing lights and shadows.
- Use the two side buttons to manually adjust the intensity of the correction.
- **Rejuvenate**
 - Applies an effect that reduces wrinkles and improves skin and hair texture for a younger appearance.
- **Aging**
 - Adds details that simulate aging, such as wrinkles or more pronounced texture on the skin.
- **Hair Volume**
 - Increases the visual volume of hair, improving its density and definition.
- **Smooth Skin**
 - Smooths skin imperfections while maintaining natural facial details automatically.

2. Open Transform Face AI

Pressing this button opens a dropdown that allows you to modify face proportions using dedicated sliders.

Available adjustments:

- Eyes: Size, height, width, inclination, distance between eyes.
- Nose: Height and width.
- Smile: Smile intensity.
- Lips: Adjusts upper and lower lip, mouth width and height.
- Forehead and chin: Forehead height, chin height, jaw size.
- Face width: Modifies the overall width of the face.

Use the "+" and "-" buttons next to each parameter to increase or decrease the desired value.

3. Localized Enhancements

These tools allow you to refine specific areas of the face:

- **Enhance Pupil**
 - Increases the sharpness and contrast of the pupils for a more intense look.
- **Whiten Sclera**
 - Lightens the whites of the eyes for a fresher, more rested appearance.
- **Lips Redness**
 - Adds a touch of natural color to the lips.

- ****Eyebrows****
 - Improves the definition of the eyebrows, making them more defined.
- ****Select Subject**** will automatically select the entire subject in the image.

Note: Before using these tools, press the FIRST Select button, which allows you to select the part of the face that interests you, such as the pupil. Select Subject will automatically select the entire subject in the image.

4. Brush Size

A dedicated slider allows you to adjust the brush size for manual interventions:

- Minimum: 1px
- Maximum: 500px

Use it to work precisely on small areas or for broader modifications.

5. Quick Filters & Adjustments

These tools are ideal for quickly optimizing the image:

- ****Intuitiv Filter****
 - A starting adjustment designed for outdoor shots with natural light. Recovers blown highlights and opens dark shadows.
- ****Autumn Filter****
 - Applies a warm tone to the image, ideal for portraits taken in autumn environments or with warm light.
- ****Subject Tone / Subject Brightness****
 - Adjusts the colors and brightness of the subject respectively without affecting the background.

6. Advanced Tools

These tools allow you to separate the subject from the background or work on specific areas of the image:

- ****Prepare Puppet****
 - Automatically creates a layer with the subject separated from the background, ready to be modified with Photoshop's Puppet tool.
- ****Open Subject Shadows / Lower Background Lights / Raise Background Lights****
 - Selectively adjusts lights and shadows between subject and background to better balance the overall image.
- ****Clarity + Brush / Clarity - Brush****

- Increases or reduces clarity in specific areas of the image using a customizable brush.

7. Layer Management

These buttons help you manage layers during the editing process:

- **Merge Layers**
 - Combines all visible layers into one.
- **Delete Layer**
 - Removes the active layer from the image.

TOOLS Page

This section of Intuitiv offers a series of tools to enhance images through automatic adjustments, infrared simulations, custom brushes, and layer management.

1. General Tools

These tools are useful for correcting common image problems:

- **Reduce Color Cast**
 - Eliminates unwanted color casts (for example, yellow or blue tones caused by lighting).
 - Ideal for quickly balancing colors.
- **Eliminate Hot Pixels**
 - Removes hot pixels (unwanted bright spots) that may appear in images taken with long exposures.
- **Orton Effect**
 - Adds a soft and dreamy effect to the image, increasing brightness and shadow contrast.
 - Perfect for landscapes and artistic portraits.

2. IR Infrared Filter & Simulation

This section allows you to simulate the effect of infrared (IR) filters on images.

- **Simulate IR (I)**
 - Applies an infrared filter simulation with channel mixing.
- **Simulate IR (II)**
 - Applies an infrared filter simulation with channel mixing.
- **Mix Channels**

- Allows you to combine color channels to obtain custom effects typical of infrared photography. Requires shots taken in the field with IR filters or modified cameras.

3. Automatic Adjustments

These tools apply quick and automatic adjustments to images:

- **Auto Brightness**: Automatically adjusts the image brightness.
- **Auto Curves**: Optimizes tonal curves to improve contrast.
- **Auto Tone**: Automatically balances light, medium, and dark tones.
- **Auto Tonal Values**: Adjusts tonal values to optimize the entire dynamic range of the image.
- **Auto Contrast**: Improves the overall contrast of the image.
- **Auto Color**: Automatically balances colors to obtain natural tones.

4. Custom Brushes

Brushes allow localized modifications on specific areas of the image:

- **Lighten Brush / Burn Brush**: Lightens or darkens specific areas of the image.
- **Blur Brush / Sharpen Brush**: Blurs or increases sharpness in selected areas.
- **Clarity + Brush / Clarity - Brush**: Increases or reduces local clarity to emphasize or attenuate details.
- **Saturation Brush / Vibrance Brush**: Increases or reduces the saturation or vibrance of colors in specific areas.
- **Contrast Brush / Gamma Brush**: Enhances contrast or adjusts the tonal gamma locally.
- **Sponge**: Selectively modifies saturation, increasing or reducing colors in specific areas.
- **Corrective Brush**: Corrects imperfections such as spots or unwanted details.

5. Black and White Conversion

These tools allow you to convert the image to black and white with different options:

- **Black and White**: Converts the image to black and white with standard settings.
- **Black and White Pro**: Converts the image to black and white using advanced algorithms for greater control over tones.

6. Layer Management

Useful tools for working with layers:

- **Merge Visible**: Combines all visible layers into one, keeping the final image intact.
- **Delete Layer**: Removes the active layer from the image.

7. Brush Size

Adjusts the brush size used in custom tools:

- **Large Brush Size**: Sets the size of the main brush (from 100px to a customizable maximum).
- **Precision Brush Size**: Sets a smaller brush for detailed interventions (from 1px to a customizable maximum).

ANALOG DEVELOPMENT & RESTORATION Page

This section of Intuitiv is designed to transform scanned negatives into positive images, restore old photographs, and colorize black and white images. It includes advanced tools for image enhancement and repair.

1. Film Negative Development

This function allows you to transform scanned negatives into positive images ready for editing.

How to use:

1. Load the scanned negative: Make sure the file is a scanned image of the negative.
2. Press the Develop Negative button.
 - The plugin will automatically convert the negative into a positive image.
 - The result will be ready for further modifications or processing.

2. Restoration (Beta Test)

This function uses Adobe cloud artificial intelligence (requires an internet connection) to restore old photographs and colorize black and white images.

How to use:

1. Load the photograph: It can be an old, damaged, or black and white photo.
2. To colorize a black and white photo, press the Colorize button.
 - The plugin will automatically add realistic colors to the image.

3. Restore Old Photographs

This section offers automatic tools to improve and restore old photographs, with dedicated controls for every aspect of the image.

Available tools:

- **Correction**
 - Automatically adjusts general image defects.
 - Use the "+" or "-" buttons to increase or decrease the intensity of the correction.
- **Enhance Face**
 - Optimizes face details in photographs, improving sharpness, tone, and texture.
- **Scratches**
 - Removes visible scratches or marks on the photograph.
- **Noise**
 - Reduces digital or analog noise present in the image.
- **Color**
 - Enhances the saturation and vibrancy of colors in the image.
- **Artifacts**
 - Eliminates digital or analog artifacts that may be present in the photo (for example, spots or halos).
- **Halftones**
 - Optimizes midtone areas for a smoother transition between lights and shadows.

How to use:

1. Select a tool from the list.
2. Use the "+" or "-" buttons next to each parameter to adjust the effect intensity.
3. View the results in real-time on the loaded image.

EXPORT & PRINT TOOLS Page

This section of Intuitiv is designed to export images in different formats and color profiles, resize them, and calculate ideal dimensions for printing. It offers practical tools to optimize the workflow, from file preparation to final export.

1. Image Export

The upper part of the page is dedicated to exporting images in various formats and color profiles.

Export Buttons

- ****Export TIFF / Export Web / Export JPG****

- Allows you to export the active image in the selected format. (web will be optimized for web and social, lighter and with fewer DPI)

- After pressing the button:

1. A window will open to rename the file.

2. By pressing OK, another window will open to choose the save path.

- ****Export All****

- Exports all documents open in Photoshop (even those in separate windows) in the selected format.

Signature

- Adds a signature (which you will choose via path) on a new layer of the active image at the bottom right. It can be moved freely once loaded.

2. Color Profiles

The sRGB, Adobe RGB, and ProPhoto RGB buttons allow you to quickly change the color profile of the active image:

- ****sRGB****: Ideal for images intended for the web or digital devices.

- ****Adobe RGB****: Recommended for professional printing with a wider color gamut than sRGB.

- ****ProPhoto RGB****: Used in professional environments with the maximum color gamut.

3. Resizing

The RESIZE button allows you to modify the resolution (DPI), width, and height of the image.

How to use:

1. Enter the desired values in the fields:

- DPI: Image resolution (example: 300 DPI for printing).

- Width (px): Image width in pixels.

- Height (px): Image height in pixels.

2. Press the RESIZE button to apply the changes.

4. Print Calculator

This section allows you to calculate optimal dimensions for printing or ideal DPI based on needs.

Available functions:

1. **Calculate Ideal Print Size**

- Enter:
 - Width (px): Number of pixels in width of the image.
 - Height (px): Number of pixels in height of the image.
 - DPI: Desired resolution (example: 300 DPI).
- Press the Calculate button.
- The plugin will show the ideal print dimensions in centimeters (Width and Height).

2. **Calculate Ideal Photo Dimensions**

- Enter:
 - Width (cm): Desired width of the print.
 - Height (cm): Desired height of the print.
 - DPI: Desired resolution.
- Press the Calculate button.
- The plugin will show the ideal photo dimensions in pixels.

3. **Calculate Ideal DPI**

- Enter:
 - Photo Width (px): Number of pixels in width of the image.
 - Photo Height (px): Number of pixels in height of the image.
 - Print Width (cm): Desired width of the print.
 - Print Height (cm): Desired height of the print.
- Press the Calculate button.
- The plugin will calculate the ideal DPI needed to obtain a quality print.

5. Current Image Information

In the lower part of the export section, useful information about the active image is reported:

- Image size: Shows width and height in pixels.
- Resolution: Indicates the current DPI of the image.
- Color profile: Specifies the color profile currently applied to the image.

With this guide, you can make the best use of all Intuitiv's features.