TV View:
You can also have the ability to view the images on the screen on a large screen like a TV. Use the included TV cables and plug the single black end into the jack located in the back of the scanner marked TV out. The other end of the cable (red and yellow) should be plugged into your screen into the appropriate receptacles.

TECHNICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>Function</th>
<th>Film Scan/USB MSDC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Interface</td>
<td>USB2.0</td>
</tr>
<tr>
<td>Sensor</td>
<td>14.0 Megapixels (4416*3312) 1/2.3&quot; CMOS sensor</td>
</tr>
<tr>
<td>Lens</td>
<td>F/NO.3.5, f=5.12mm, field Angle=70°</td>
</tr>
<tr>
<td>Display</td>
<td>Color 2.4&quot; TFT LCD (980*240)</td>
</tr>
<tr>
<td>Focus Range</td>
<td>Fixed focus</td>
</tr>
<tr>
<td>Exposure Control</td>
<td>Automatic / Manual (-2.0 EV ~ +2.0EV)</td>
</tr>
<tr>
<td>White Balance</td>
<td>Automatic</td>
</tr>
<tr>
<td>Resolution</td>
<td>14 Megapixels / 22 Megapixels(interpolation)</td>
</tr>
<tr>
<td>Scan Quality</td>
<td>3200Dpi &amp; 4000 Dpi (interpolation)</td>
</tr>
<tr>
<td>Film Type</td>
<td>35mm Film, Monochrome, Slide</td>
</tr>
<tr>
<td>Picture Effects</td>
<td>B&amp;W, Slides, Negatives</td>
</tr>
<tr>
<td>Light Source</td>
<td>LED Back light</td>
</tr>
<tr>
<td>File Format</td>
<td>Picture: JPEG</td>
</tr>
<tr>
<td>TV-OUT Type</td>
<td>NTSC/PAL</td>
</tr>
<tr>
<td>Built-in Memory</td>
<td>YES</td>
</tr>
<tr>
<td>External Memory</td>
<td>SD card up to 32GB</td>
</tr>
<tr>
<td>Power Supply</td>
<td>DC 5V (Adapter USB Port)</td>
</tr>
<tr>
<td>Language</td>
<td>English / French / German / Italian / Spanish / Japanese / Portuguese / S-Chinese / T-Chinese</td>
</tr>
<tr>
<td>Support System</td>
<td>Windows XP/Vista/Windows7/Mac10.7.3</td>
</tr>
<tr>
<td>Product Size</td>
<td>187 X (W)86.5 X (H)102.5mm</td>
</tr>
<tr>
<td>Weight</td>
<td>250g</td>
</tr>
</tbody>
</table>

Customer Service
info@tsjumbl.com, 866-849-3049
Introduction
Thank you for purchasing this product. Please read this manual carefully before use, and save the instructions for future reference. There are many functions and details regarding the use of this scanner so we highly recommend that you read through the manual first so you can optimize the use of your new device.

Please Read First
Be careful to keep your product dry and do not expose this to rain or moisture to preserve the life of your product.
CAUTION: To prevent the risk of electric shock, Do not disassemble the film scanner.
VENTILATION: Never place the unit in a way where the ventilation vent is blocked. Leaving your unit on a bed or a couch can lead to the unit overheating.
HEAT: The unit should be situated away from sources of high heat such as radiators or a stove.
SERVICING: The user should not attempt to service the device beyond those means described in this instruction manual. All other servicing should be referred to a qualified technician. Never attempt to open the unit on your own.
USB CORD: If you are not using your device for a long period of time it is recommended to unplug the USB cord from your computer.

General Tips
We strongly suggest using a clean, dry, non-alcohol cotton swab to clean the glass surface periodically to produce a clear image. Do not overload the USB connections on your computer. If you have too many devices connected to your computer, there may not be enough power for the film scanner to operate properly.

Contents - Parts Illustration
Begin by confirming that all the proper parts and pieces included with your device. Please see the below illustration of all the parts that are included with your device.

Please Note: Your device does NOT have an SD card included. For more information on the use of an SD card for memory storage, please see SD CARDS section.

The following parts are included. Please contact your retailer if your unit has arrived missing one of these items.

Digital Scanner - 1
USB cable - 1
Negative holder - 1
(Film Strips)

Positive holder -1
(Slides)

AC / DC adapter - 1
User Manual - 1
Cleaning brush - 1
TV cable - 1
QUICK START—POWER

Powering your unit:

You can power the scanner using the included USB cable in two different
d ways. Firstly, connect the cable from the scanner to an available USB
port on your PC or Mac. Then plug the USB cable into the included 5-volt
adapter. The adapter should be inserted into a 120-volt wall receptacle.
Connect the other end of the cable into the USB receptacle located on
the back of the scanner. Once both ends of your cable is securely plugged
in, Press the POWER button to turn on the film scanner.

When the device is turned on if there is no SD card inserted in the
back the screen will say no SD card. You will still be able to scan and
save images using the internal 128 MB memory.

Memory:

Your scanner has the option of saving the scanned images to the
scanner’s built in memory or on an external memory card. If you would
like your images to be stored on an external memory card, insert an
SD/MMC (Secure Digital Multi-Media Card) into the film scanner. The
slot for your SD/MMC cards is located on the back of the unit. If an
SD/MMC card is in the slot the scanned images will automatically be
saved to the SD card.

PLEASE NOTE THAT THE SCANNER DOES NOT INCLUDE AN SD CARD.
See page SD CARDS section for more details on SD cards.

Starting up the Scanner:

After the welcome page, the Main Menu screen will display for 5
seconds. You can press the OK button to jump right to the Capture
Mode or wait for the full 5 seconds for the system to automatically
enter the Capture Mode. Capture Mode, enables you to view, scan and
save your images as displayed on the screen.

Once you enter the capture mode, there will be a capture icon indicator
on left top corner to indicate that you are in capture mode.

When the film holder is inserted into the slot, the image always
shows the positive image according to the defined film type. To
change the film type see FILM TYPE SETUP section. (When power is
first applied, the film type defaults to (color) negative film).

LOADING NEGATIVES—POWERING THE UNIT

Please note that it is highly recommended to use the included cleaning
brush to clean the inside of the scanner. Slide the brush through the
scanner several times to clean it well. It is also very helpful to make
sure that he films or negatives themselves are clear from any dust or
smudging or it will reflect in the quality of the scanned image. Never
handle the film with your hands. It is best to use a clean cloth when
handling the film.

Loading Negatives:

Begin by locating your negative strip holders. There are two holders
included. One is designed for film strips (marked Negatives) and one
is designed for your slides. Use the one that best fits your needs. The
holder can be opened by pulling the latch on the center of the holder.
The holder will then be able to be opened flipping the top open.
See illustration.

Once your holder is open lay your film strip in the holder with every
frame opposite an open window of the holder. Be sure that the
mat (dull) side of the negatives are facing you and the negative is
right side up.

Once you have properly positioned your film strip in the holder, proceed
by closing the holder and securing your film in place. Your film is now
ready to be scanned.

SCANNING—MEMORY

Scanning An Image:

To scan an image you will need to make sure that your scanner is in
“CAPTURE MODE”. The capture mode can be accessed from the main
menu. If you are powering on your device you will be automatically in the
main menu. Your device will skip to CAPTURE mode on its own after five
seconds. Once in CAPTURE mode you will notice a camera icon on the
left top corner of your screen. If you like the way your image appears on
the screen then press the SCAN button. You will then be prompted to
press the save button to store your image. Press OK to save.
Important!
Once the image is captured, press the OK button to save the image onto the SD card or the internal memory.

Summary: While your image is displayed on the screen, press the SCAN button to scan the image and then press the OK button to save the image.

Memory:
Your scanner has the option of saving the scanned images to the scanner's built-in memory or on an external memory card. If you would like your images to be stored on an external memory card, insert an SD/MMC (Secure Digital Multi-Media Card) into the film scanner. The slot for your SD/MMC cards is located on the back of the unit. If an SD/MMC card is in the slot the scanned images will automatically be saved to the SD card.

PLEASE NOTE THAT THE SCANNER DOES NOT INCLUDE AN SD CARD.

Memory Full:
Once the internal memory (128 MB) or the memory card is full, a Memory Full icon will appear on the screen if you attempt to scan a new image. If it is your memory card that is full you will want to either replace it with a different card that has available memory or you can offload some of the images to your computer to make available space. If it is your internal memory that is full you will want to transfer the images from your scanner's memory to your PC. At this point, you can download the image files to a PC or Mac by following the instructions in the EXPORTING IMAGES section.

Changing the Brightness and Color:
Your scanner has the ability to adjust the color and the brightness of the image that appears on the screen. At any time during the capture mode you can press the OK button and the adjustment screen will appear.

EV = Brightness
R= Red
G= Green
B= Blue.

Move the red arrow right or left to adjust any of the settings. Once you have made the adjustment to that category press the OK button to apply and move on to the next category. Once you have adjusted or confirmed all four categories the scanner will go back into capture mode.

On the right top corner of the screen there is a brightness indicator which tells you the current setting of the brightness.

Flipping and Mirror:
If any image requires mirroring or flipping before capture, press the LEFT to apply the Mirror affect (see illustration below). The live view will be adjusted accordingly (This step corrects user error when inserting the film). Press the LEFT button to flip the photo as in the illustration below. These adjustments can only be done while in CAPTURE mode before the image has been scanned, do not alter the image before scanning.

Once you are happy with your image on the screen, press SCAN and then OK to save.
Resolution:
The scanner has the ability to adjust the resolution as well. To adjust the resolution, press the SCAN/MENU button twice. Then press the LEFT/RIGHT button to select the Resolution mode. Press OK to choose access that menu. Next, use the LEFT or Right buttons to choose between 14MP or 22MP. Lastly, press the OK button to set the desired value you desire and return to the Capture Mode.
NOTE: The factory default value is 14MP.

VIEWING STORED IMAGES—DELETING
Playback Mode:
You can view the images that were scanned and saved on either the internal memory or on the SD card, by following the steps below. Press the SCAN/MENU button twice to bring you to the main menu.
The Main Menu will appear on the screen as shown here. Press the LEFT/RIGHT button until the playback icon appears in the center of the screen with the word “Playback” shown at the bottom of the screen. Press the OK button to begin playing all the stored images.
If there are no images stored when entering the Playback Mode, a “No File” symbol will show on the screen as shown in the illustration.
Please note: The scanner will automatically start playing the pictures from the SD card. If you would like the scanner to play the images saved on the internal memory then the SD card should be removed. When there is no SD card in the slot, the scanner will play images stored in the scanner’s internal memory.
While in playback mode you can press the OK button to stop the pictures from playing. At that point the left and the right button can be used to skip forward or backwards to another picture.

Deleting a Picture:
While in viewing mode you have the ability to delete a picture. You will first need to Press the OK button to stop the playing. Press the OK button again and three icons will appear on the side of the screen. Use your left/right arrow to select between the three and press OK.
The first icon is an Exit Icon which will bring you back to Play back mode.
The second icon is the delete icon. Highlight the icon and press OK and the image will be deleted.
The third icon is the home icon. This icon will bring you back to main menu.

FORMATTING—LANGUAGE
Formatting the internal memory card and SD Card:
At any time you have the ability to reformat your internal memory card and your inserted SD Card. Re-formatting will result in the deleting of all of your stored images. To reformat the memory, access the main menu by pressing the SCAN/MENU twice. Once in the main menu, use the right/left arrow to find the Format option. When the Format icon appears in the center of the screen press OK. Once in the Format menu you will be asked if you want to format the media or not. Use the right/left buttons to select yes or no. Once you have selected and highlighted selection press OK. You will have to wait a moment while the scanner is formatting. Once it is complete the screen will say “format is successful”. It will then go back to the main menu on its own.
Language Settings:
The scanner can be set to display all words in seven different languages. To change the language, access the main menu by pressing the SCAN/MENU twice. Once in the main menu, use the right/left arrow to find the language option. When the language icon appears in the center of the screen press OK. Once in the language setting use the right/left arrow to highlight and select the desired language. Press OK to confirm and apply your setting.

EXPORTING IMAGES
Transferring Stored Images:
At any time you can transfer your stored images to your PC or Mac. If your images are stored on a SD card simply remove the card and insert it into your computer. If you would like to transfer the images that are stored on the internal memory via a USB cable, follow the few steps below.

SD CARDS
As mentioned on previously, the scanner can either save scanned images to its internal memory or on to an SD CARD. (The Scanner does not include an SD Card). The SD card is inserted into the slot located on the back of the unit. It is important to know that if your SD card has been used already for some other use (digital camera or files storage) it will not be properly recognized by the scanner for the purpose of saving scanned images. You will either have to use a new SD card or format your existing SD card.

To format your SD card please follow the steps in the FORMATTING section or follow the steps below.

IMPORTANT- FORMATTING YOUR SD CARD WILL ERASE ALL OF YOUR STORED PICTURES OR FILES PERMANENTLY.

PC—Begin by inserting your SD card into the SD reader. Some computers have it built in while some computers will require a card reader. Access "My Computer" by either left clicking the My Computer icon on your desktop by clicking on the start/menu button on the menu bar and then click the computer icon. Once you are in the my computer menu find the correct drive that identifies where the SD is inserted into. The drive will usually say "SD card". Right click on that drive and find option "format" in the drop down menu. Select Left click format. The format window will appear and left click the Start button on the bottom of that window. You will then need to confirm your decision by clicking OK.

MAC—Begin by making sure that you SD card is inserted into the computer. You may need a card reader to insert your SD card into your card. Left click on the spotlight icon on the top right hand corner of the screen. Type in "Disk Utility" and press OK. Find the Disk utility option in the drop down menu and left click. The Disk utility window will open. On the left panel, find SD card and left click to select. On the right screen you will be given a few options. One of the options will be erase. Left click to select and reformat your SD card. You will be prompted to acknowledge your decision. Left click the ERASE button to confirm. Be careful to always “safe eject” your SD card before taking it out of the computer.