

TOUGHPIX II BATTERY GUIDE

BEST PRACTICE,
BATTERY CHARGING AND
DOWNLOADING IMAGES

UNDERSTANDING YOUR TOUGHPIX II BATTERY PACK

YOUR TOUGHPIX II, EXPLOSIONPROOF DIGITAL CAMERA IS A HIGH QUALITY, ROBUST DEVICE DESIGNED FOR LONG TERM USE IN POTENTIALLY HAZARDOUS (EXPLOSIVE) AREAS.

ToughPIX II uses a sealed battery pack comprising three NiMH cells and the relevant protection circuitry required of battery packs of this type.

Within the battery pack there is a fast blowing, non-replaceable fuse. This fuse is required by Certification Standards and will blow if the battery terminals are shorted together. Shorting the battery terminals cannot happen in normal use as to the terminals are both recessed and separated by insulating material.

As with any battery pack, the ToughPIX II battery pack will lose the ability to retain a charge as they age either with time or with use. This is not a failure of the battery pack, this is a function of batteries as a whole.

NOTE. If the fuse does blow, the voltage measured across the battery pins will show as Open Circuit. This is not a warranty item. A blown fuse cannot be replaced and a new, replacement battery must be purchased.



BATTERY BEST PRACTICE

IT IS RECOMMENDED THAT A FULLY CHARGED BATTERY IS USED WHERE POSSIBLE FOR OPTIMUM RESULTS AND MAXIMUM RUNTIME.

When a new, fully charged battery is inserted into ToughPIX II, the battery status indicator will show green indicating a fully charged pack. After a relatively small number of shots, the green status indicator will change to yellow with two bars, showing that the pack is no longer fully charged. As the camera is used, the battery charge status indicator will reduce until it shows empty and red at which point the screen will display "Low Battery". At this stage, the camera should be returned to the safe area and the battery replaced with a fully charged unit.

It is important to understand that the charge status indicator is not linear in nature. For example, moving from Green to Yellow may only require five or ten shots, but moving from

Yellow to Red may take two, three or sometimes four hundred images. Obviously this depends on whether or not the flash is enabled.

NOTE. If the battery is old or has undergone use, the green battery indication may not show as the battery may not achieve a full charge level. This is normal and the camera will still function in this state, although the number of images obtained may be affected.

As your battery pack wears either with use or with age, its ability to achieve and retain a full charge is affected. The age of your battery pack should be monitored and new packs ordered as they begin to degrade.

NOTE. Battery degradation is not covered by Warranty



BATTERY CHARGING

Your ToughPIX II is supplied complete with a download and charge docking station.

This docking station has two connections on the front, one for data and one for battery charging. Each is clearly marked and both must be connected to its correspondingly marked cable for the unit to function correctly.

Once the cables are connected, insert your ToughPIX II battery into the rear right hand section of the docking station. The wall mounted charger will then begin the charge cycle, onboard LEDs inform the user of the charge cycle status.

LED Colour	Status
Flashing Red	Short circuit or reverse polarity
Flashing Green	Charging
Solid Green	Charged

Battery charging status LEDs are located on the wall mounted charger and are as follows

NOTE. If only the data cable is connected, the camera will power up and data will download BUT the battery will not be charging. Both data and charge cables must be correctly connected.

DOWNLOADING IMAGES

You can download images via the docking station, at the same time as charging the battery. It is good practice to connect both leads to the charging station to avoid confusion.

To download images, once both cables are connected, gently but firmly place the camera onto the vertical interface pillar and push downwards. Once in place and turned on, the camera motorized lens will extend and the camera screen will turn blue with the letters MSDC. If this is a first time installation, drivers will install automatically. Once correctly installed the autoplay pop-up window will appear with options for accessing your camera.

When the camera is powered up and properly connected to the docking station and PC, the camera screen will change to blue with the letters MSDC in white. The camera will show as a drive on your PC.

Please note, if you have multiple drives already mapped on your PC and the camera does not appear there maybe a conflict. In this instance, contact your I.T. department.



NOTE. Please ensure that the camera is fully engaged on the docking station – check that the front left camera foot is resting behind the protruding tab on the docking station (see image). The orange rubber battery cover should be rotated (do not bend!) and rested in the docking station recess – as this can affect connectivity between the camera and docking station