

## Instruction Manual



Thank you for purchasing the SSL-JVC75 Li-ion Battery. Prior to using the battery, we strongly recommend that you read this Instruction Manual on how to best use the battery and keep this manual for future reference. If you have any additional questions, please contact the appropriate IDX office listed at the end of this manual.

### Caution for safety use

Improper handling of this Li-ion battery may result in smoke, heat, fire, explosion or leakage as well as cause performance degradation or failure. Please be sure to observe the following precautions.

#### ⚠ DANGER

##### May cause sudden serious injury and death

- Charge with JVC KENWOOD equipment or IDX battery charger only.
- Only use the battery with JVC KENWOOD video equipment or IDX video equipment. Do not use it with other equipment.
- Do not short the contact pins with any metal object. Do not carry or store with metal equipment.
- Do not expose to heat and never throw the battery in a fire.
- Do not immerse in water. Keep the battery dry and away from excessively dry or humid environments.
- Do not leave the battery exposed to excessive heat such as in a car or directly under the sun light. Do not use outside specified temperature range.
- Do not solder on the contact pins directly.
- Do not attempt to open the outer casing or break apart the battery.
- Do not subject the unit to extreme physical impact or pressure, or place any object across the terminals that could cause it to short.
- Do not pierce or drill into the outer casing of the unit.
- Do not attempt to use the battery if damaged.
- Do not use a battery in a corrosion environment. (Damage from salt water, seawater, acid, alkali, corrosive gas, etc.) and do not use it in an extreme high humidity environment.
- Risk of explosion if battery is replaced by an incorrect type.

#### ⚠ WARNING

##### May cause serious injury and death

- Please note that the outside casing becomes hot when the battery is used by discharging high temperature or high load.
- Stop charging immediately if the battery fails to charge within the designated time for charging as noted in the manual for the charger.
- Do not use if the battery displays an unusual appearance (smell, discolor, etc.) when in use, during charge or in storage.
- Keep away from fire if the battery leaks fluid or has an unusual smell.
- In case of leakage, wash your hands and face thoroughly with clean water immediately.
- Check with your doctor if battery fluid gets into contact with your eyes.

#### ⚠ CAUTION

##### May cause injury or damage other equipment

- Follow instructions on charging and discharging.
- Store in cool and dry conditions.
- During long periods when not in use, please remove the battery from the equipment.
- Do not use, store or place the battery in an electrostatic area.
- Always keep the connectors clean.

### Compliant equipment

- JVC KENWOOD -Video Equipment

- IDX -Video Equipment

\*Please contact IDX for more information.

### Charging

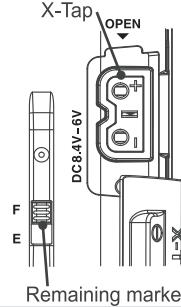
- Charge with JVC KENWOOD equipment or IDX Li-ion chargers only. Refer to the instruction manual of the equipment or IDX charger for a description of the charging procedure.
- The battery will stop charging when it exceeds the range of the charge temperature specification. Please resume charging after the battery returns to room temperature.
- The battery will incur a small amount of self discharge. IDX recommends charging before use.

### Discharging

- Maximum discharge load for battery connector is up to 21W and X-Tap 20W. Both can be used simultaneously. As in simultaneous use of battery connector and X-Tap under high temperature environment, the thermal protection would activate to stop discharging when detects high temperature of battery even if the load of X-Tap is below 20W.
- In general, the battery discharge time will be shortened if the load/power consumption is higher than 21W.
- Discharge capabilities are reduced when the battery is used in extreme low/high temperature environments. Discharging at an ambient temperature of 50~104°F(10~40°C) is recommended.
- The voltage range during discharge is a 8.4V~6V. The battery automatically stops discharging below 6V.
- Transmitter equipment with a power output above 5W should be kept as far away from the battery as possible as it may disrupt or even stop the discharging.

## [X-Tap]

- X-Tap power output terminals available(8.4V~6.0V).
- A Maximum power output is 20W.
- Do not load the power from X-Tap while charging otherwise it may cause of incomplete charging, occurrence of charge error or damage to the charger.
- X-Tap is only for discharging.



## [Remaining marker]

- It is the remaining marker to slide manually. To F after charging, To E after use, Can be used as a marker to determine the status of the battery.

## Storing

- Store in cool and dry conditions.
- Do not store or leave in temperatures of 140°F(60°C) or above.
- When long-term storage, please keep it to about 20% to 30% charge capacity.

## Life cycle

- The life cycle may depend on usage environment, or frequency of use or conditions during storage.
- The battery's life cycle is also reduced if used or stored under high temperatures, or if stored in a fully charged condition for extended periods.

## Specifications

- Cell chemistry : Li-ion
- Nominal voltage : DC 7.4V
- Capacity : 7350mAh/55Wh<sup>1</sup>
- Charge voltage : (Std.) DC 8.4V  
(Max.) DC8.5V(32~113°F(0~45°C))
- Charge current : (Std.) 2.5A  
(Max.) 3.5A(50~113°F(10~45°C))
- Maximum Discharge power / current  
Battery connector : 21W / 3.5A  
X-Tap connector : 20W / 3.3A  
Dual output(Total) : 41W(below 95°F(35°C))<sup>2</sup>  
: 36W(95~113°F(35~45°C))<sup>2</sup>
- X-Tap output voltage : Battery through voltage(8.4V~6.0V)
- End voltage : 6.0V
- Battery protection circuit :  
Over-charge, Over-discharge, Over-current,  
Thermal protection
- Ambient temperature  
To charge : 32~113°F(0~45°C)  
(50~86°F(10~30°C) recommended)  
To discharge : -4~113°F(-20~45°C)  
(50~104°F(10~40°C) recommended)  
To store : -4~122°F(-20~50°C)(one month)
- Dimensions/Weight :  
43(W)×80.5(H)×70.4(D)mm/approx. 350g  
1.69(W)×3.17(H)×2.77(D)inches/approx. 0.77lbs
- \*1. Measured capacity of battery is a minimum rating at 40°F(20°C).
- \*2. When both Battery connector and X-Tap connector output simultaneously, please note maximum discharge power (total) and ambient temperatures. Discharging would be stopped when activated the thermal protection due to high temperature of battery inside.

## Battery Recycling

This Li-ion battery can be recycled. Please follow the regulations in your country or contact your local IDX office for further details.

## Shipment

- At the time of factory shipment, the state of the battery charge is about 30%. This will depend on production lots and length of storage time.

### Li-ion Battery Air Transport Compliance (as of Jan 1st, 2014)

International Civil Aviation Organization (ICAO) and International Air Transport Association (IATA) rules, regulations and requirements:

- Battery is proven to meet the requirements of each test in the UN Manual of Tests and Criteria, Part III, subsection 38.3.
- Lithium ion battery is less than 100Wh.
- Lithium ion battery capacity Watt-hour rating is labeled on the outside of the battery case.

#### SSL-JVC75 ICAO and IATA

The SSL-JVC75 has met the requirements for United Nations Recommendations on the Transport of Dangerous Goods. The SSL-JVC75 capacity is less than 100Wh which is illustrated on a label located on the exterior of the battery housing.

#### SSL-JVC75 Classification

The SSL-JVC75 battery is classified as a "Class9 Dangerous Goods" product by the International Civil Aviation Organization (ICAO) and International Air Transport Association (IATA). This battery is required to follow certain procedures at times of shipping and transportation. Below are guidelines for properly preparing the shipment and transportation of the SSL-JVC75.

#### For aircraft carry-on baggage

An unlimited number of carry-on batteries are permitted; IDX recommends isolating the battery terminals by taping or put the spare battery into plastic bag. IDX recommends checking with the airline company prior to traveling. Some airline companies may have additional rules and regulations for transporting lithium ion batteries.

#### For aircraft check-in baggage

If the battery is attached to a piece of equipment, such as a camera, monitor, recorder, etc, it can be checked-in baggage.

If the battery is not attached to a piece of equipment, it must be carried-on.

#### For cargo

- Battery only (Packing Instruction 965 Section II)

Two batteries that are less than 100Wh in one packing box can be transported by cargo. This will exempt the package from being classified as hazardous material. To qualify for this exemption, the package used for transportation must pass a 1.2 meter drop test.<sup>3</sup> In addition, a lithium ion battery caution label is required on the shipping package. To finalize the exemption, a declaration of exemption for Dangerous Goods materials must be submitted to the cargo company.

- Battery only (Packing Instruction 965 Section I.B)

When transporting three or more batteries with a total package weight of 22 lbs (10kg) or less, the package must be classified as "Class 9 Dangerous Goods". The package used for cargo must pass a 1.2 meter drop test. In addition, it is necessary to label the following on the package: lithium ion battery caution label, Class9 label, UN number "UN3480 Lithium ion Batteries", name and address of shipper and consignee. Lastly, a declaration of dangerous goods materials should be submitted to the cargo company.

- Battery packed with equipment (Packing Instruction 966 Section II)

When the battery is packed with equipment and the net weight of a battery (battery weight only) in the package is 11 lbs (5kg) or less, this package may be transported as an exemption of the dangerous goods article. However, one package is limited to the minimum quantity of batteries required to operate the equipment and two spare batteries. To qualify for this exemption, the package used for cargo must pass a 1.2 meter drop test.<sup>3</sup> In addition, a lithium ion battery caution label is required on the shipping package. Lastly, a declaration of exemption for dangerous goods materials should be submitted to the cargo company.

- Battery contained in equipment (Packing Instruction 967 Section II)

If the battery is installed in the equipment and the net weight of the battery (battery weight only) is 11 lbs (5kg) or less, this package may be transported as an exemption to the dangerous goods article. A caution label and declaration are not required if there are two or less batteries installed in the equipment and is packaged with firm packing material. If more than two batteries are installed in the equipment, the package must have a lithium ion battery caution label and a declaration of exemption for dangerous goods article should be submitted to the cargo company. A drop test for this package is not required.

\*3 IDX's standard shipping package has passed the drop test; however, the individual battery package has not tested.

If the above requirements are not met, all packages are subject to the classification of Dangerous Goods product (class9).

Design and specification are subject to change without notice.



<http://www.idx.tv>

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