IS-SPR-DEBUGGER&CAPTURE Setup Manual

2013/08/06

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and should be handled accordingly.

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1 Package Contents

1.1 IS-SPR-DEBUGGER&CAPTURE

The package for the IS-SPR-DEBUGGER&CAPTURE should contain the following items.

- IS-SPR-BOX (1)

- Controller for IS-SPR-BOX (dedicated controller for IS-SPR-BOX) (1)

- Controller cable (1)

- Nintendo 3DS™ XL stylus (stored in the controller) (1)

- AC Adapter (for Wii) (1)

- USB cable (2)

- IS-SPR-BOX stand (with two fastening screws) (1)

- Antenna (1)

- License Agreement (1)

- Setup Manual (this manual) (1)

- Ferrite cores (made by Seiwa Electric Mfg. Co., Ltd.) (4)

2 Using This Product Safely

2.1   Warnings

To use an IS-CTR Series unit safely and ensure the unit does not malfunction and possibly cause a safety hazard, read the following items carefully.

- Do not modify the unit or take it apart.
- If you notice a problem, immediately stop using the unit.
- Do not allow liquids or foreign objects to enter the unit.
- Do not store the unit in a humid or dusty location.
- Never cover the unit or block ventilation.
- Do not bend, pull, or twist the cables.
- Do not subject the unit to strong impact.
- Do not use the unit in locations where the temperature is below 0°C or above 40°C.
- Do not use the unit during an electrical storm.

2.2   Regulatory Statement

- This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment.
- This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.
- Operation of this equipment in a residential area is likely to cause harmful interference, in which case users will be required to correct the interference at their own expense.
- This equipment complies with FCC radiation exposure limits for an uncontrolled environment.
- This equipment should be installed and operated with a minimum distance of 20 cm between the radio frequency energy radiator and body. This transmitter must not be co-located or operating in conjunction with any antenna or transmitter.
- This device has been designed to operate with the antennas listed below, and having a maximum gain of 2dB. Antennas not included in this list or having a gain greater than 2dB are strictly prohibited for use with this device. The required antenna impedance is 50 ohms.
- To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that permitted for successful communication.
- Modifications made to the product, unless expressly approved by Nintendo, could void the user's right to operate the equipment.
- This Class A digital apparatus complies with Canadian ICES-003. The term "IC" before the equipment certification number only signifies that the Industry Canada technical specifications were met.
- Cet appareil numérique de la classe A est conforme à la norme NMB-003 du Canada.

- Le terme "IC" avant le numéro d'homologation ne signifie seulement que les normes d'Industrie Canada ont été respectées.

English	Hereby, INTELLIGENT SYSTEMS CO.,LTD. declares that this IS-CTR-DEBUGGER/IS-CTR-EMULATOR/IS-CTR-BOX is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.
Finnish	INTELLIGENT SYSTEMS CO.,LTD. vakuuttaa täten että IS-CTR-DEBUGGER/IS-CTR-EMULATOR/IS-CTR-BOX tyyppinen laite on direktiivin 1999/5/EY oleellisten vaatimusten ja sitä koskevien direktiivin muiden ehtojen mukainen.
Dutch	Hierbij verklaart INTELLIGENT SYSTEMS CO.,LTD. dat het toestel IS-CTR-DEBUGGER/IS-CTR-EMULATOR/IS-CTR-BOX in overeenstemming is met de essentiële eisen en de andere relevante bepalingen van richtlijn 1999/5/EG.
	Bij deze verklaart INTELLIGENT SYSTEMS CO.,LTD. dat deze IS-CTR-DEBUGGER/IS-CTR-EMULATOR/IS-CTR-BOX voldoet aan de essentiële eisen en aan de overige relevante bepalingen van Richtlijn 1999/5/EC.
French	Par la présente INTELLIGENT SYSTEMS CO.,LTD. déclare que l'appareil IS-CTR-DEBUGGER/IS-CTR-EMULATOR/IS-CTR-BOX est conforme aux exigences essentielles et aux autres dispositions pertinentes de la directive 1999/5/CE.
	Par la présente, INTELLIGENT SYSTEMS CO.,LTD. déclare que IS-CTR-DEBUGGER/IS-CTR-EMULATOR/IS-CTR-BOX est conforme aux exigences essentielles et aux autres dispositions de la directive 1999/5/CE qui lui sont applicables.
Swedish	Härmed intygar INTELLIGENT SYSTEMS CO.,LTD. att denna IS-CTR-DEBUGGER/IS-CTR-EMULATOR/IS-CTR-BOX står I överensstämmelse med de väsentliga egenskapskrav och övriga relevanta bestämmelser som framgår av direktiv 1999/5/EG.
Danish	Undertegnede INTELLIGENT SYSTEMS CO.,LTD. erklærer herved, at følgende udstyr IS-CTR-DEBUGGER/IS-CTR-EMULATOR/IS-CTR-BOX overholder de væsentlige krav og øvrige relevante krav i direktiv 1999/5/EF.
German	Hiermit erklärt INTELLIGENT SYSTEMS CO.,LTD., dass sich *dieser/diese/dieses* IS-CTR-DEBUGGER/IS-CTR-EMULATOR/IS-CTR-BOX in Übereinstimmung mit den grundlegenden Anforderungen und den anderen relevanten Vorschriften der Richtlinie 1999/5/EG befindet". (BMWi)
	Hiermit erklärt INTELLIGENT SYSTEMS CO.,LTD. die Übereinstimmung des Gerätes IS-CTR-DEBUGGER/IS-CTR-EMULATOR/IS-CTR-BOX mit den grundlegenden Anforderungen und den anderen relevanten Festlegungen der Richtlinie 1999/5/EG. (Wien).
Greek	ΜΕ ΤΗΝ ΠΑΡΟΥΣΑ INTELLIGENT SYSTEMS CO.,LTD. ΔΗΛΩΝΕΙ ΟΤΙ IS-CTR-DEBUGGER/IS-CTR-EMULATOR/IS-CTR-BOX ΣΥΜΜΟΡΦΩΝΕΤΑΙ ΠΡΟΣ ΤΙΣ ΟΥΣΙΩΔΕΙΣ ΑΠΑΙΤΗΣΕΙΣ ΚΑΙ ΤΙΣ ΛΟΙΠΕΣ ΣΧΕΤΙΚΕΣ ΔΙΑΤΑΞΕΙΣ ΤΗΣ ΟΔΗΓΙΑΣ 1999/5/ΕΚ.
Italian	Con la presente INTELLIGENT SYSTEMS CO.,LTD. dichiara che questo IS-CTR-DEBUGGER/IS-CTR-EMULATOR/IS-CTR-BOX è conforme ai requisiti essenziali ed alle altre disposizioni pertinenti stabilite dalla direttiva 1999/5/CE.

Spanish	Por medio de la presente INTELLIGENT SYSTEMS CO.,LTD. declara que el IS-CTR-DEBUGGER/IS-CTR-EMULATOR/IS-CTR-BOX cumple con los requisitos esenciales y cualesquiera otras disposiciones aplicables o exigibles de la Directiva 1999/5/CE.
Portuguese	INTELLIGENT SYSTEMS CO.,LTD. declara que este IS-CTR-DEBUGGER/IS-CTR-EMULATOR/IS-CTR-BOX está conforme com os requisitos essenciais e outras disposições da Directiva 1999/5/CE.
Maltese	Hawnhekk, INTELLIGENT SYSTEMS CO.,LTD., jiddikjara li dan IS-CTR-DEBUGGER/IS-CTR-EMULATOR/IS-CTR-BOX mal-ħtiġijiet essenzjali u ma provvedimenti oħrajn relevanti li hemm fid-Dirrettiva 1999/5/EC.
Estonian	Käesolevaga kinnitab INTELLIGENT SYSTEMS CO.,LTD. seadme IS-CTR-DEBUGGER/IS-CTR-EMULATOR/IS-CTR-BOX vastavust direktiivi 1999/5/EÜ põhinõuetele ja nimetatud direktiivist tulenevatele teistele asjakohastele sätetele.
Hungarian	Alulírott, INTELLIGENT SYSTEMS CO.,LTD. nyilatkozom, hogy a IS-CTR-DEBUGGER/IS-CTR-EMULATOR/IS-CTR-BOX megfelel a vonatkozó alapvetõ követelményeknek és az 1999/5/EC irányelv egyéb elõírásainak.
Slovak	INTELLIGENT SYSTEMS CO.,LTD. týmto vyhlasuje, že IS-CTR-DEBUGGER/IS-CTR-EMULATOR/IS-CTR-BOX spĺňa základné požiadavky a všetky príslušné ustanovenia Smernice 1999/5/ES.
Czech	INTELLIGENT SYSTEMS CO.,LTD. tímto prohlašuje, že tento IS-CTR-DEBUGGER/IS-CTR-EMULATOR/IS-CTR-BOX je ve shodě se základními požadavky a dalšími příslušnými ustanoveními směrnice 1999/5/ES.
Slovene	Šiuo INTELLIGENT SYSTEMS CO.,LTD. deklaruoja, kad šis IS-CTR-DEBUGGER/IS-CTR-EMULATOR/IS-CTR-BOX atitinka esminius reikalavimus ir kitas 1999/5/EB Direktyvos nuostatas.
Lithuanian	Šiuo INTELLIGENT SYSTEMS CO.,LTD. deklaruoja, kad šis IS-CTR-DEBUGGER/IS-CTR-EMULATOR/IS-CTR-BOX atitinka esminius reikalavimus ir kitas 1999/5/EB Direktyvos nuostatas.
Latvian	Ar šo INTELLIGENT SYSTEMS CO.,LTD. deklarē, ka IS-CTR-DEBUGGER/IS-CTR-EMULATOR/IS-CTR-BOX atbilst Direktīvas 1999/5/EK būtiskajām prasībām un citiem ar to saistītajiem noteikumiem.

3 Special Notes

3.1 Notes

To use the IS-SPR-DEBUGGER&CAPTURE unit safely and ensure the unit does not malfunction and possibly cause a safety hazard, read the following items carefully.

- Do not turn off the IS-SPR-BOX during firmware updates. The IS-SPR-BOX may not function properly afterward.

- During use, do not do anything that would prevent the IS-SPR-BOX from dissipating heat, such as blocking the airflow vent, placing the device in a closed container, or placing objects on top of the device.

- When connecting the controller to the IS-SPR-BOX, be sure to insert the connector firmly. The connector could become damaged if it is loose.

- The liquid crystal display on the controller may develop pixels that are always illuminated or that do not illuminate. Also, you might observe irregularity in color or brightness, depending on the angle of view. These are properties of the liquid crystal display and are not defects.

- The SD Memory Card slot cover on the controller cannot be opened. Insert SD Memory Cards into the SD Memory Card slot on the IS-SPR-BOX.

- Note that we do not guarantee that video can be captured without dropping any frames. Some frames may be dropped, depending on your computer environment.

- Be aware of possible rights infringement when using audio or video captured by IS-CTR-CAPTURE, such as copyright or portrait rights. Note that Nintendo accepts absolutely no responsibility in the event that copyright or portrait rights have been infringed, or a third party's privacy, character, or reputation has been damaged by the distributing, copying, or modifying of captured audio or video.

- Make sure to insert batteries in the correct orientation. Do not use a mix of different kinds of batteries at the same time. This could cause battery leakage, overheating, or breakage, which could damage the device.

- Comply with all local laws and regulations when disposing of depleted batteries.

- Use the HDMI cable sold by Nintendo (part [WUP-008]) for HDMI connections. When connecting the HDMI cable, be sure to insert the connector firmly. The connector could become damaged if it is loose.

- Use the included USB cables for USB connections.

- The ground line must be no longer than 3 meters.

- Only used licensed earphones with this product.

- Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce

potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.

- Contains FCC ID:MCLJ27H02301 IC:2878D-J27H02301

This Class A device complies with parts 15 of the FCC Rules and with Industry Canada RSS-210. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference.
(2) This device must accept any interference received, including interference that may cause undesired operation.

3.2 End-of-Life Equipment Disposal

The crossed-out wheeled bin symbol in Figure 3-1 is affixed to all electrical and electronic equipment that has been released in the European market by Nintendo on or after August 13, 2005.

Figure 3-1 Disposal Symbol
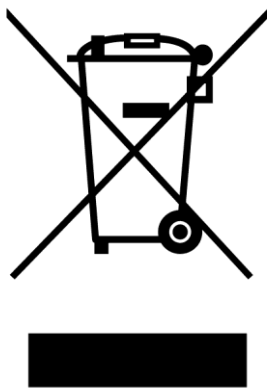
This symbol means that at the end of its life, the equipment must be treated in an environmentally sound manner at a licensed recycling plant and its components must be recovered, recycled, or reused in compliance with the requirements of the European Directive on Waste Electrical and Electronic Equipment (2002/96/EC) of January 27, 2003.

Accordingly, you must use separate collection systems for waste electrical and electronic equipment when you dispose of this equipment at the end of its life. Alternatively, you can return this equipment to Nintendo at your own cost, and Nintendo will dispose of it appropriately. To return the equipment, please contact the NOA Development Parts Department for instructions (425-861-2038 or developmentparts@noa.nintendo.com). You will be given a Return Authorization and instructed to return the equipment to an appropriate Nintendo location in your area.

4 Operating Environment

4.1 Requirements

This section details system requirements for IS-SPR-DEBUGGER&CAPTURE.

Figure 4-1 IS-SPR-DEBUGGER&CAPTURE Operating Environment

Item	Description
Computer	X86–compatible
Operating System	Runs on the following operating systems. • Microsoft Windows 7, Service Pack 1 or later (32-bit and 64-bit editions) • Microsoft Windows Vista, Service Pack 2 or later (32-bit and 64-bit editions) • Microsoft Windows XP, Service Pack 3 or later (32-bit edition)
Memory	At least the minimum amount of memory recommended for the operating system. More memory may be required, depending on the size of the project under development.
Disk Space	1 GB or more of free disk space available.
Disc Drive	Drive capable of reading CD-ROMs.
Display	XGA display with a minimum resolution of 1024x768.
USB Interface	Requires 2 ports.
Software Environment	Microsoft Windows Installer 3.1 or later. Microsoft .NET Framework Version 3.5 SP1 or later.

5 Setup

5.1   Installing the Software

Follow the procedure below to install the software.

1. Log in to Windows with a user account that has administrator privileges.

2. Quit all running applications.

3. Download the IS-CTR Software Package from the support website (see section 6.1 Website for details).

4. Run the `.exe` file that was downloaded.

5. Follow the steps displayed in the installation wizard.

6. The process ends once the IS-CTR Software Package installation finishes normally.

Restart the computer if prompted to do so.

5.2   Uninstalling the Software

Follow the procedure below to uninstall the software from your computer.

1. Log on to Windows with a user account that has administrator privileges.

2. If the software to uninstall is running, quit it.

3. Go to the Windows Control Panel, and click **Programs and Features** to open the **Uninstall or change a program** dialog box. (On Windows XP, click **Add/Remove Programs** to open the **Add/Remove Programs** dialog box.)

4. Select **IS-CTR Software Package** from the list of installed applications.

5. Right-click and select **Uninstall**, or double-click and click the **Yes** button on the confirmation window that pops up. Windows then starts uninstalling the IS-CTR Software Package.

The software uninstallation process does not delete option settings or window layout data.

You can therefore use the software with these settings even after uninstalling and then installing an upgraded version of the software.

To delete this additional data, make sure that IS-CTR-DEBUGGER, CAPTURE, EMULATOR, and MONOWRITER are all not running, and then delete the following.

- IS-CTR Software Package

  o Delete everything under the following keys in Registry Editor.

    ```
    HKEY_CURRENT_USER\Software\INTELLIGENT SYSTEMS\IS-CTR-DEBUGGER
    HKEY_CURRENT_USER\Software\INTELLIGENT SYSTEMS\IS-CTR-CAPTURE
    ```

  o Delete the following folders in Windows Explorer.

For Windows XP:

```
C:\Documents and Settings\<USERNAME>\Application Data\INTELLIGENT
SYSTEMS\IS-CTR-DEBUGGER
```

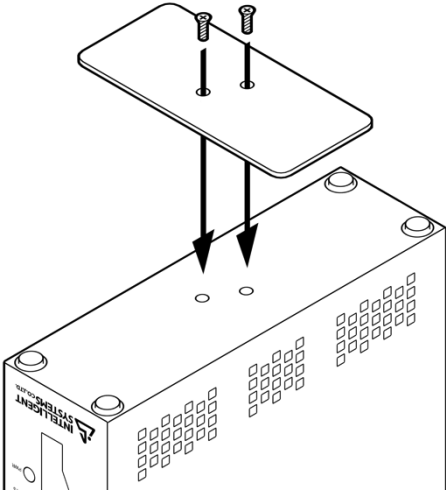For Windows Vista or 7:

```
C:\Users\<USERNAME>\AppData\Roaming\INTELLIGENT SYSTEMS\IS-CTR-DEBUGGER
```

Windows might not work correctly if you make a mistake editing the registry or deleting files. Use caution when performing the above actions and do so after backing up in advance or creating system recovery points (in Windows XP or Vista).

5.3   Attaching the IS-SPR-BOX Stand

Follow the procedure below to attach the IS-SPR-BOX stand.
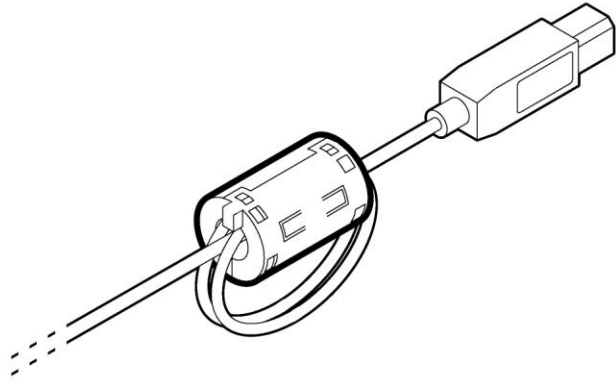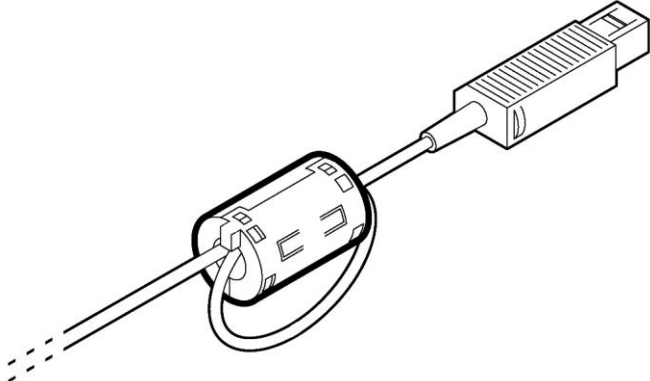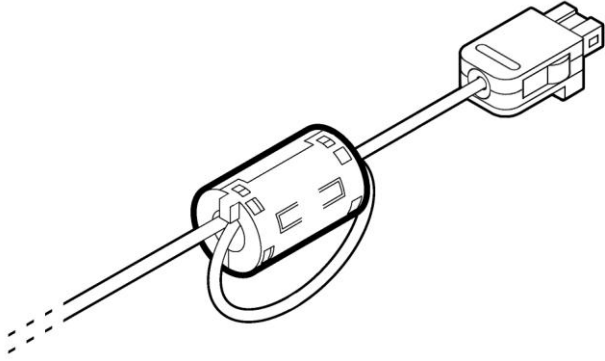
Figure 5-1 Attaching the IS-SPR-BOX Stand

Step	Illustration
Turn the IS-SPR-BOX upside-down and attach the stand as shown.	

5.4　Attaching the Ferrite Cores

Follow the procedure below to attach the ferrite cores.

Table 5-1 Attaching the Ferrite Cores
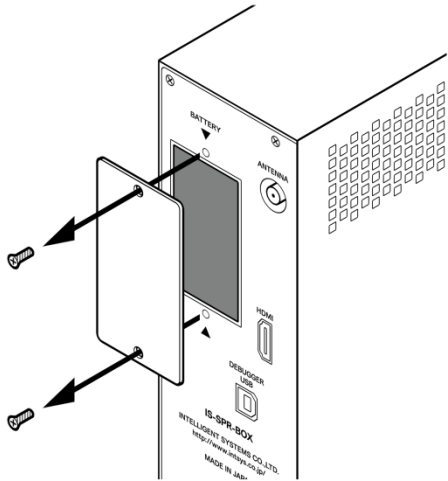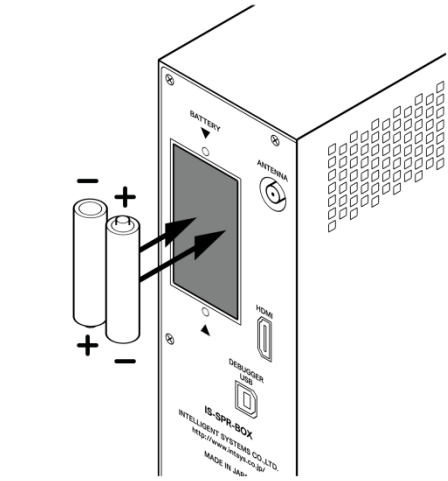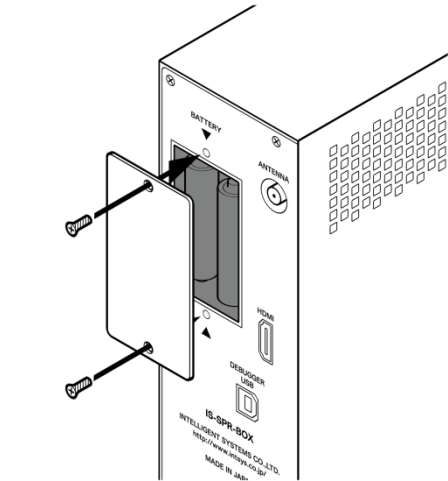
Step	Illustration
Attach a ferrite core to the USB cable. Loop the cable through the core twice as shown in the figure, leaving about 5 centimeters or 2 inches from the USB-B connector.	
Attach a ferrite core to the AC adapter cord. Loop the cable through the core once as shown in the figure, leaving about 5 centimeters or 2 inches from DC connector.	
When using the debug controller, also attach cores to the controller cable. Loop the cable through the core once as shown in the figure, leaving about 5 centimeters or 2 inches from the connector.	

5.5　Inserting and Replacing the Batteries

To use this product, you will need two AA batteries to power the 3DS unit's internal clock. Follow the procedure below to insert or replace the batteries. Set the 3DS clock after inserting the batteries.

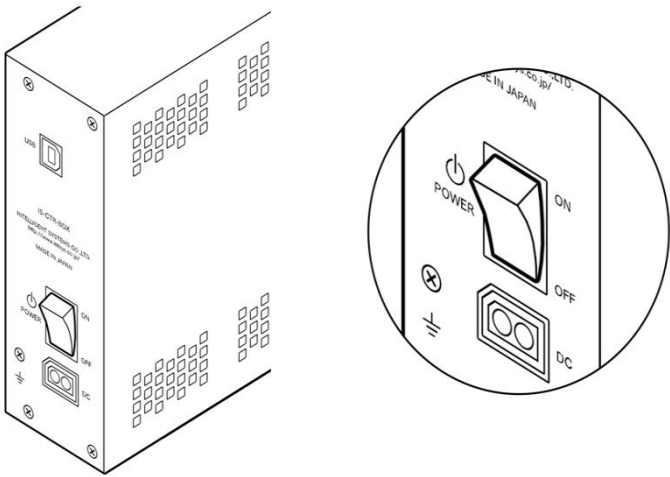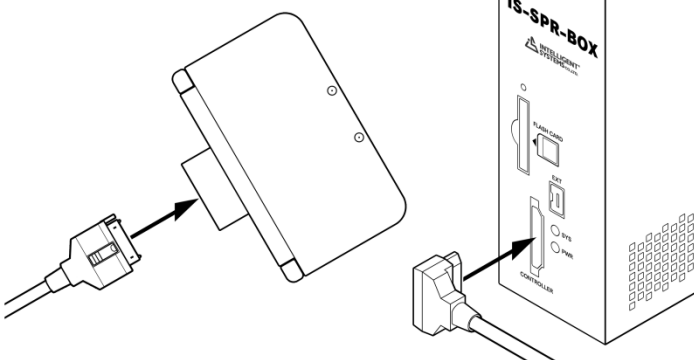**Note:**　Make sure the IS-SPR-BOX is turned off, and that the AC adapter is unplugged.

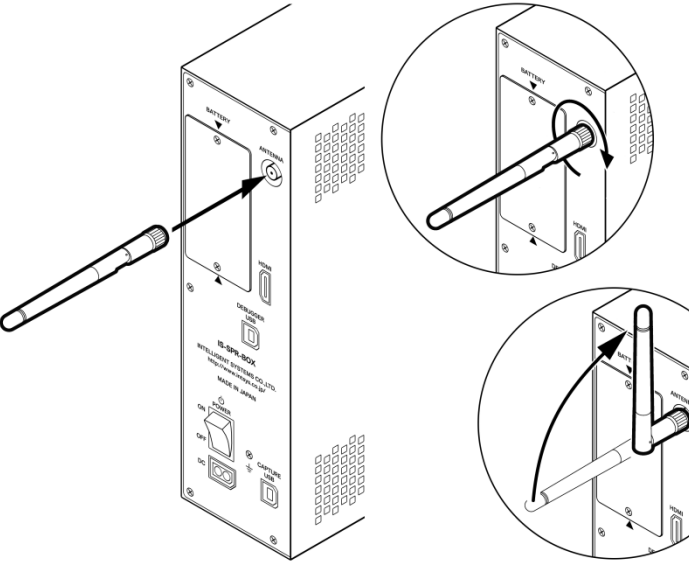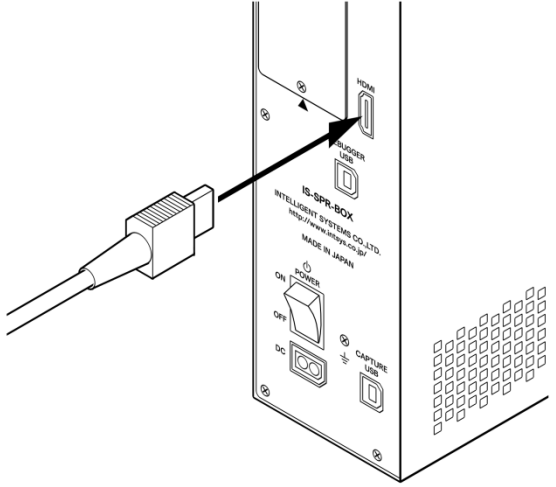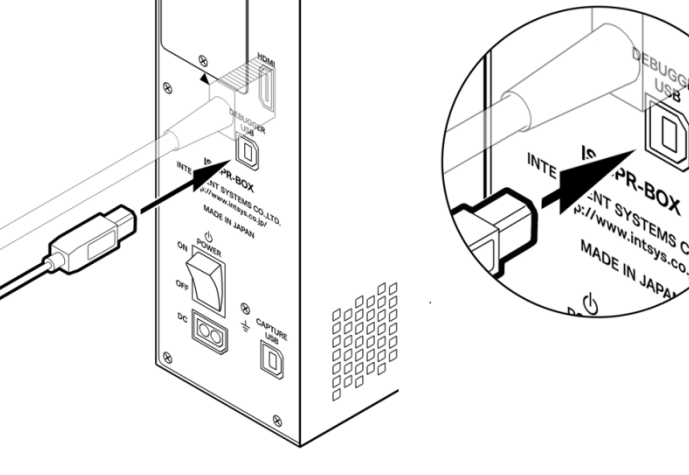**Figure 5-2 Inserting and Replacing the Batteries**

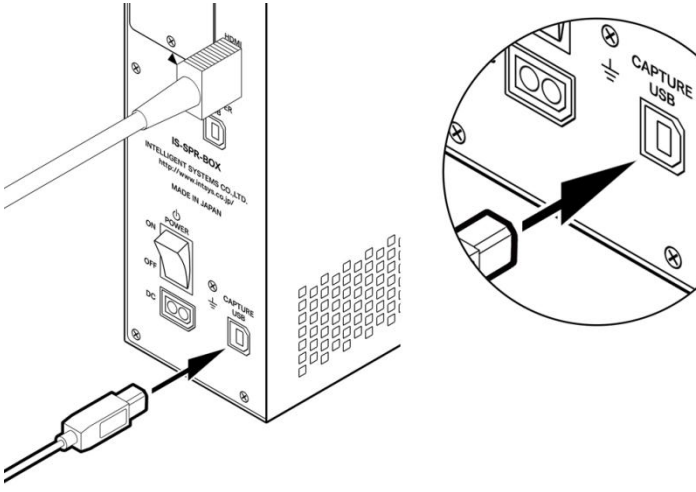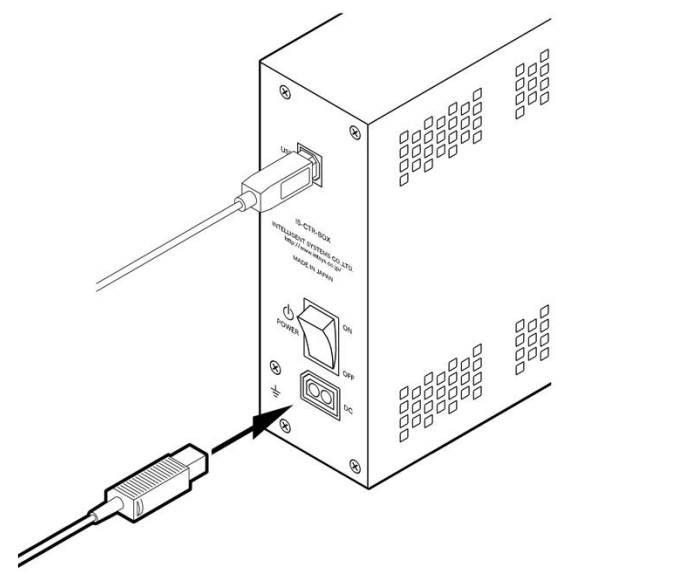| Step	Illustration
Remove the battery cover on the back of the IS-SPR-BOX, as shown in the figure.	
Make sure to insert batteries in the correct orientation.	
Put the battery cover back in place as shown.	

5.6   Connecting the Hardware

Follow the procedure below to set up the hardware.

Table 5-2 Setting Up the Hardware

Step	Illustration
Make sure that the IS-SPR-BOX is turned off.	
Connect the controller to the IS-SPR-BOX. Insert the flat part of the connector to the controller, and the L-shaped connector to the CONTROLLER port on the front of the IS-SPR-BOX. Insert the connectors firmly.	

Step	Illustration
Attach the antenna to the ANTENNA port on the back panel of the IS-SPR-BOX.	
To use the video output, insert the HDMI cable connector into the HDMI port on the back panel of the IS-SPR-BOX.	
To use the IS-CTR-DEBUGGER software, insert a USB cable into the DEBUGGER USB port on the back panel of the IS-SPR-BOX.	

Step	Illustration
To use the IS-CTR-CAPTURE software, insert a USB cable into the CAPTURE USB port on the back panel of the IS-SPR-BOX.	
Insert the DC plug of the AC adapter into the DC port on the back panel of the IS-SPR-BOX. Plug the AC adapter into a standard 120 V AC wall socket.	

5.7   Turning the Power On and Off

Follow the procedure below to turn the power on.

1. Turn on the power switch on the back panel of the IS-SPR-BOX.

2. The PWR and SYS LEDs on the front of the IS-SPR-BOX turn on as follows.

   o The PWR LED briefly turns red.

   o Then the PWR and SYS LEDs both turn green.

   o The SYS LED turns off.

3. The controller can be used once its power LED and LCD backlight are both on.

Follow the procedure below to turn the power off.

- Turn off the power switch on the back panel of the IS-SPR-BOX.

The controller will turn off automatically. This does not require any separate operation.

5.8   Installing Device Drivers

When connecting the IS-SPR-BOX to the computer for the first time or when connecting to a different USB port, you must install the device driver.

5.8.1   For Windows XP

1. Install the IS-CTR Software Package before connecting the device.

2. If the **Found New Hardware Wizard** appears as shown below, select **No, not this time** and click **Next**.

Figure 5-3 Found New Hardware Wizard: Welcome Dialog Box

3. After turning on the IS-SPR-BOX, the **Found New Hardware Wizard** starts and displays a dialog box that prompts for the installation of a device driver.
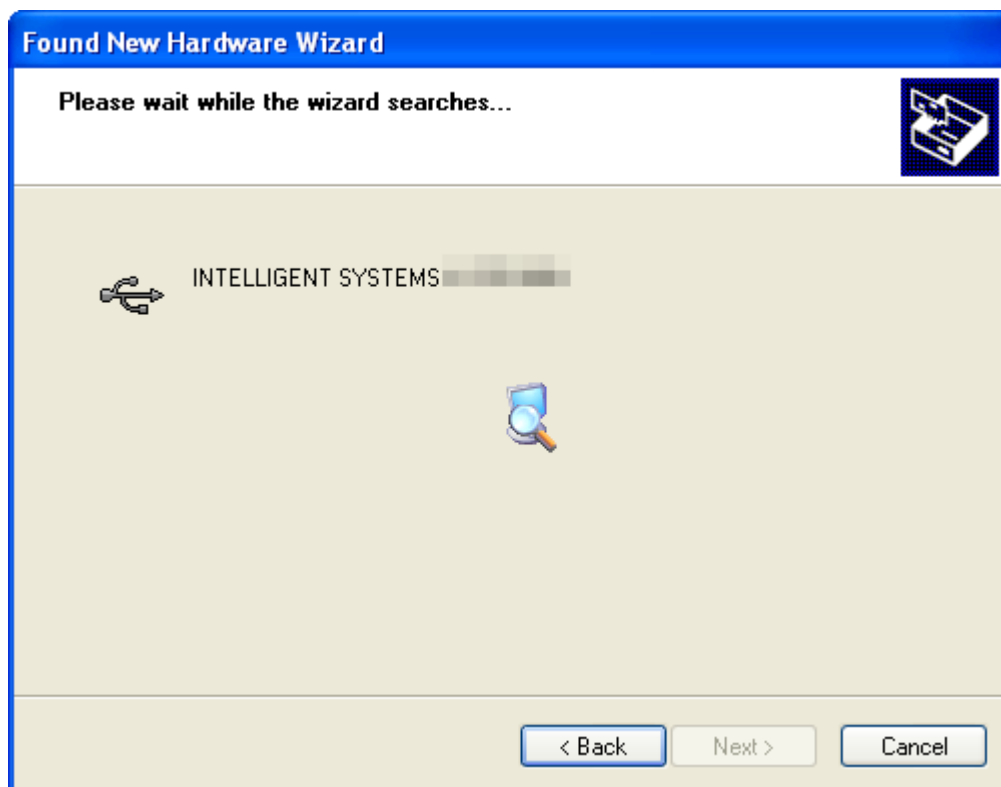
Figure 5-4 Found New Hardware Wizard: Welcome Dialog Box
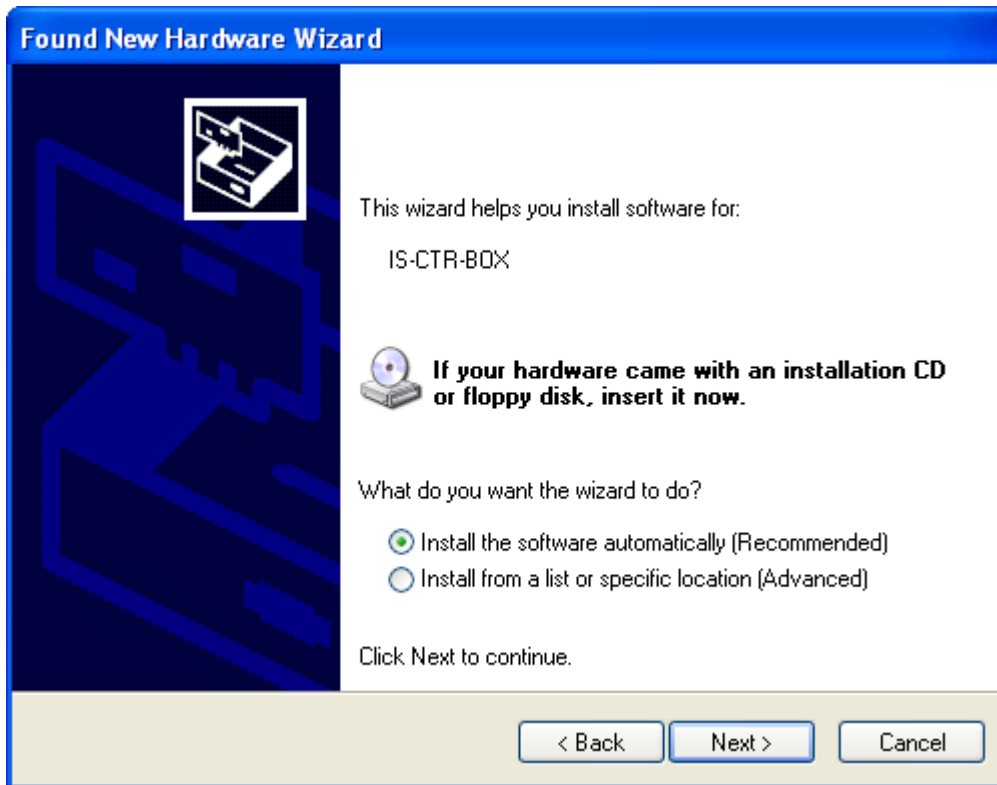
4. Select **Install the software automatically (Recommended)** and click **Next**.

5. Wait for the following dialog box to appear once the software installation begins.

**Figure 5-5 Found New Hardware Wizard: Installation Dialog Box**

6. The following dialog might appear during the installation process. Click the **Continue Anyway** button to continue the installation.

Figure 5-6 Found New Hardware Wizard: Compatibility Dialog Box

7. The following dialog box appears after the **Found New Hardware Wizard** completes installation normally. Click **Finish** to close the wizard.

Figure 5-7 Found New Hardware Wizard: Completion Dialog Box
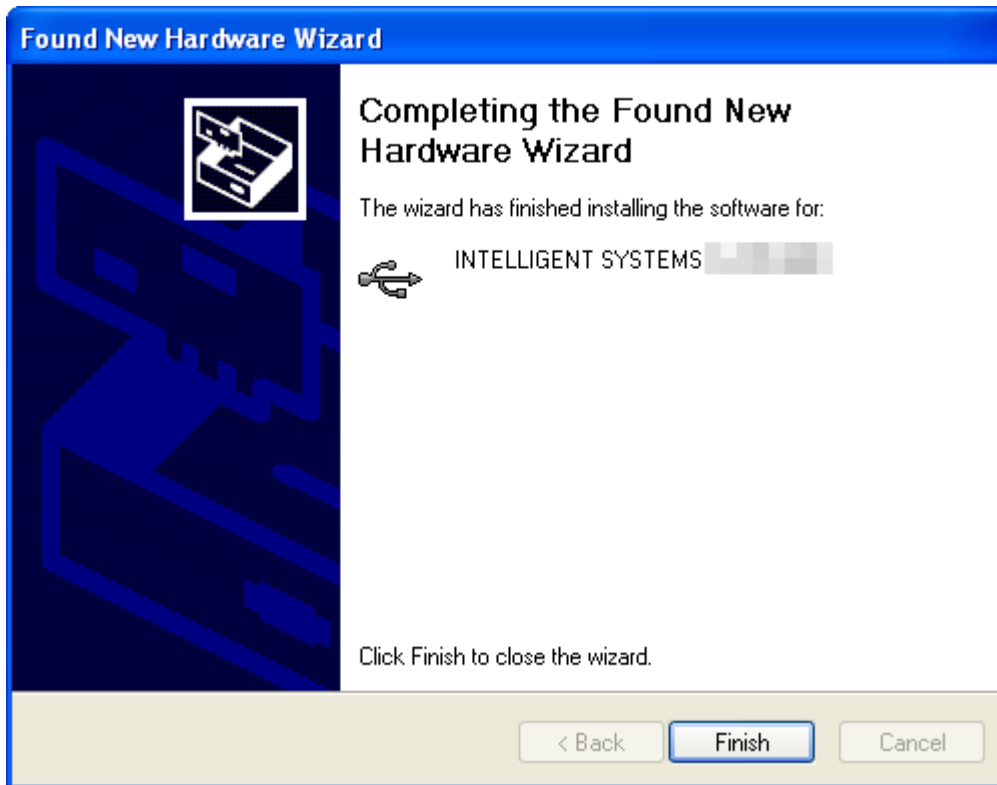
5.8.2   For Windows Vista or 7

The device drivers are installed automatically when installing the software.

6 Support

Nintendo provides support to users of IS-CTR-Series products on its website and by e-mail.

6.1 Website

Information and documents regarding the IS-CTR-Series and the latest software versions are available on the Nintendo Software Development Support Group (SDSG) website (http://www.warioworld.com). Only those registered in the website's Nintendo 3DS group can access and download the latest software versions. Register online at http://www.warioworld.com.

6.2 E-Mail Support

For questions and comments about the IS-CTR-Series, please contact the Software Development Support Group at support@noa.com.

Revision History

Revision Date	Category	Description
2013/08/06	—	Initial version.

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