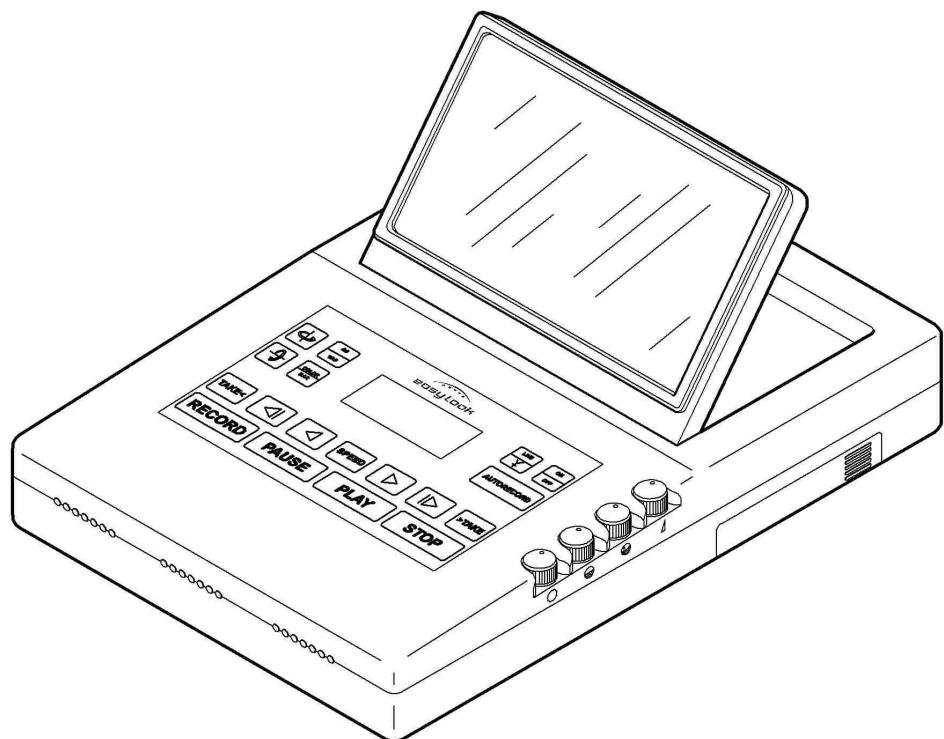




# Video Assist Operation Manual



ES10-01  
ES10-02  
ES10-03

Manual Version 1.4.0 english

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# **Easylook Video Assist**

## **Operation Manual**

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*Thank you for purchasing the Easylook Video Assist. You will find this unit easy to operate and highly reliable. However, it is essential that you read and understand this manual thoroughly before working with the Easylook Video Assist.*

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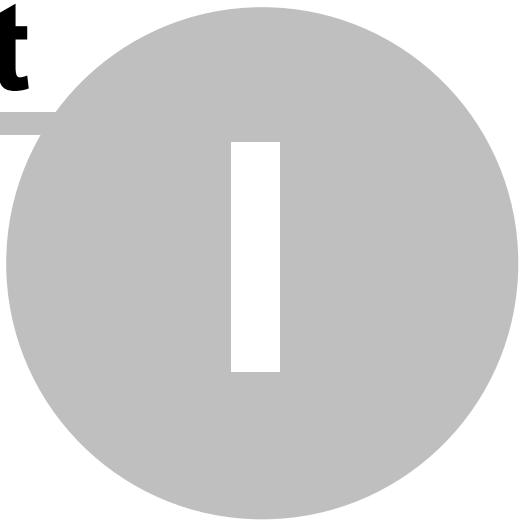
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# **Part**

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## 1 Introduction

Congratulations on your purchase of one of the most innovative and reliable mobile digital video assist solutions on the market today. The Easylook Video Assist meets the requirements and demands of a modern film set, with "video village" becoming more and more important. The Easylook Video Assist was developed by people working professionally on a modern film set with the constant need for video assist and playback. The experience of video operators, camera crews, directors and producers is incorporated in the Easylook Video Assist. It is the intention of Easylook System to facilitate not only the life of video assist operators, but also the life of everybody else, who is depending on a reliable video feedback. The Easylook Video Assist is designed for intuitive and hassle free handling, while featuring highly sophisticated video playback speed simulations. With features like the autorecord function or the wireless video transmission the Easylook Video Assist is *not* able to substitute a human video assist operator but it will make his work much easier.

### 1.1 Main Features

- intuitive operation
- solid design
- integrated 7" TFT-Display
- battery operated (Li-Ion battery integrated and exchangeable)
- wireless video transmission
- autorecord function - no user interference required for a camera triggered video recording
- variable playback frame rate 1-360 fps forward and backward
- wide range of accessories available
- up to 10,5 hours of recording on one hard disk
- digital video recording
- copy, edit and store video clips recorded on the Easyslook Video Assist on any Apple or Windows computer
- industry standard professional connectors
- NTSC / PAL

### 1.2 Safety Measures

**WARNING! To prevent fire or shock hazard, do not expose the unit or any part described in this manual to rain or moisture. To avoid electrical shock, do not open the cabinet. Refer servicing to qualified personnel only. Do not block ventilation openings.**

- Disconnect the Easylook Video Assist from the power supply (and from all other devices) immediately if the presence of smoke or an acrid smell suggests that a malfunction has occurred.
- Disconnect the Easylook Video Assist from the power supply (and from all other devices) immediately in the event of a fault arising.

- Always disconnect the Easylook Video Assist from the power supply and take out the battery pack before opening its housing.
- MAINTAIN good ventilation; covering of ventilation slots or holes may cause malfunction. Ventilation slots, fans and/or heat sinks are provided with the product for safety, comfort, and reliable operation. These features might inadvertently become blocked by placing the product on a bed, sofa, carpet, or other flexible surface. Never block, cover or disable these features.
- Please note that only suitably qualified electrical technicians are authorized to carry out installation or servicing work on this unit.
- If you intend to take the Easylook Video Assist out of service for an extended period, disconnect it from the power supply and ensure that it is stored in a dry, weather-protected location.
- Do not allow liquids of any type to get inside the unit (e.g. by placing a full container on top of the device, or when cleaning).
- If liquid does enter the housing, shut the unit down at once and have it examined by a qualified service technician.
- Take care to ensure that no cable or wire fitted to the unit becomes pinched, trapped or otherwise damaged. Replace any damaged wiring at once.
- If hazard-free operation of the unit cannot be guaranteed, take it out of service immediately and ensure that it cannot be reconnected by accident. Hazard-free operation is no longer possible in the following situations (among others):
  - visible damage to the housing or wiring,
  - objects have been inserted,
  - after long-term storage in unfavorable conditions (e.g. damp) or after particularly rough handling during transport. Have the unit examined by Easylook Systems then.
- Do not leave the base of the Easylook Video Assist in contact with your lap or any part of your body for an extended period when the unit is functioning. The Easylook Video Assist produces some heat during normal operation. Extended contact with the body could cause discomfort or, potentially, a skin burn.
- The installation tasks described in this manual are to be carried out by adequately trained technicians only.
- Any modifications to the unit are likewise the exclusive preserve of trained electrical specialists.
- All maintenance and repair operations should be carried out by trained electrical specialists only.
- Unauthorized repairs can lead to personal injury, material damage or harm to the unit itself.
- Operate this unit strictly according to the instructions contained in this manual.
- Unauthorized operation can lead to personal injury, material damage or harm to the unit.

## 1.3 Symbols used in this manual

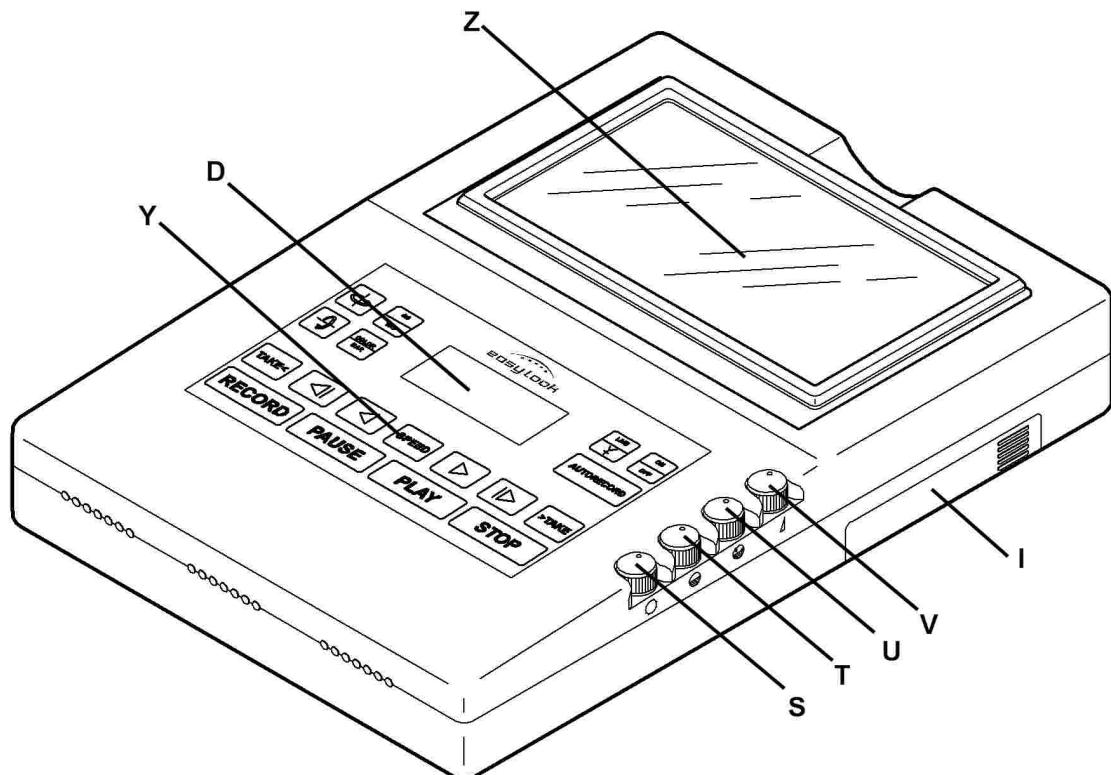
- ➔ **Note** This symbol is used to identify special operating features of the unit.
- ! **Caution** This symbol identifies hazards likely to cause harm to the unit itself or other material damage.
- xxx** - indicates replacement characters for the actual screen content

➔ *Each recording made by the Easylook Video Assist is referred to as one take.*

## 1.4 Overview

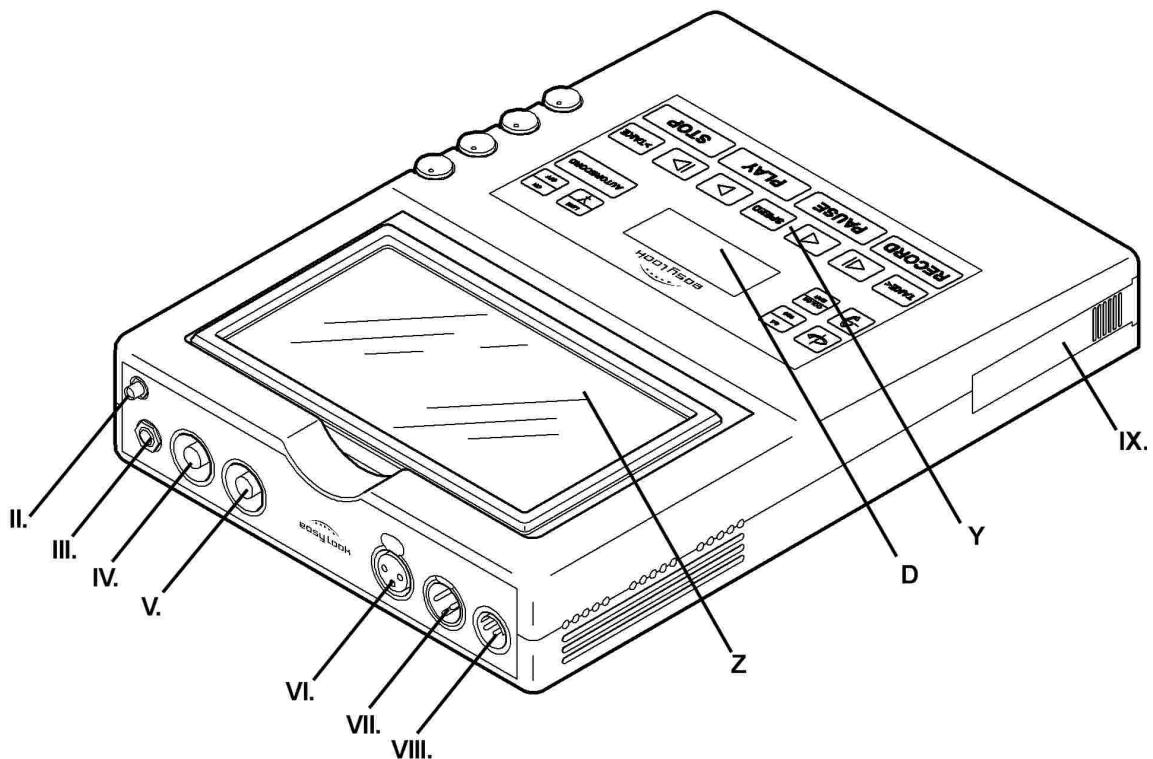
Take a few moments to familiarize yourself with the controls and displays. You may find it helpful to bookmark this section and refer to it as you read through the rest of the manual.

### 1.4.1 Front



- Z - [TFT Display](#)
- D - [Data display](#) (for more information, see [Data display](#))
- Y - [Keypad](#) (for more information, see [Keypad](#))
- S - [Brightness control](#)
- T - [Contrast control](#)
- U - [Color saturation control](#)
- V - [Volume control](#)
- I - [Battery compartment lid](#)

### 1.4.2 Back



- II. - Antenna Connector
- III. - [Earphone jack 6.5mm](#)
- IV. - [Video in \(BNC type\)](#)
- V. - [Monitor out \(BNC type\)](#)
- VI. - [Audio in \(XLR, 3-pin female\)](#)
- VII. - [Audio out \(XLR, 3-pin male\)](#)
- VIII. - [DC IN](#)
- IX. - [Hard disk compartment lid](#)

# **Part**

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## 2 Quickstart

This chapter shows you how to get started with the basic Easylook Video Assist operation.

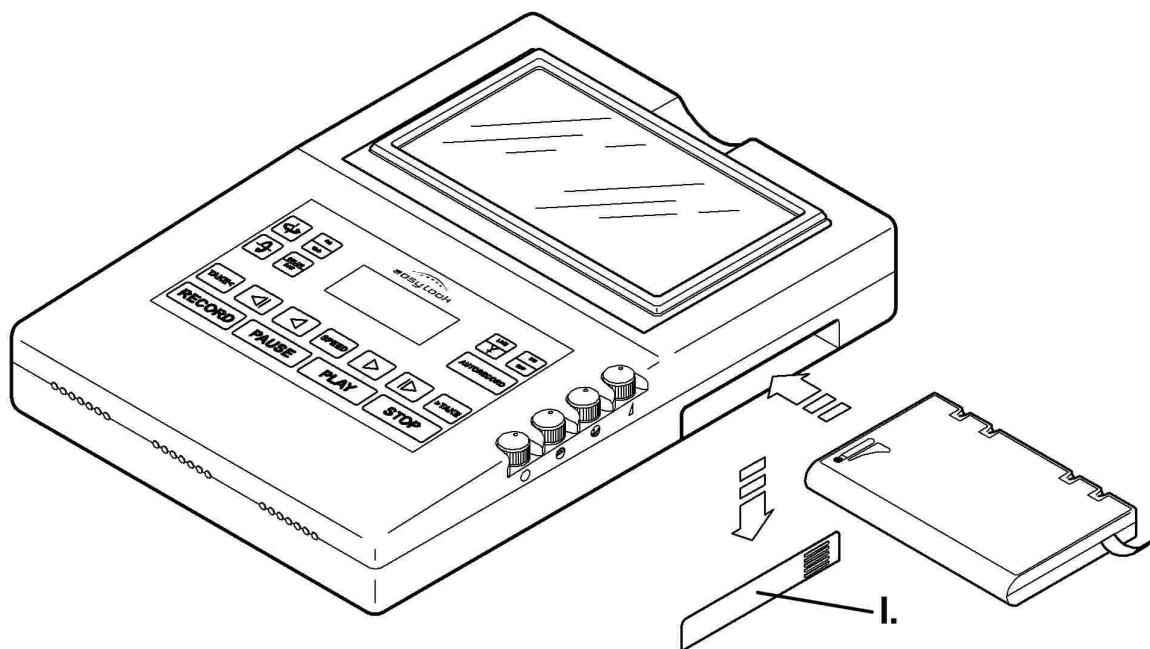
→ Please read and understand this manual before working with the Easylook Video Assist.

### 2.1 First Steps

Fully charge a NEW [battery Pack ES01A-04](#) for at least 5 hours before first time use. (for more information, see [Battery Charger ES01A-05](#))

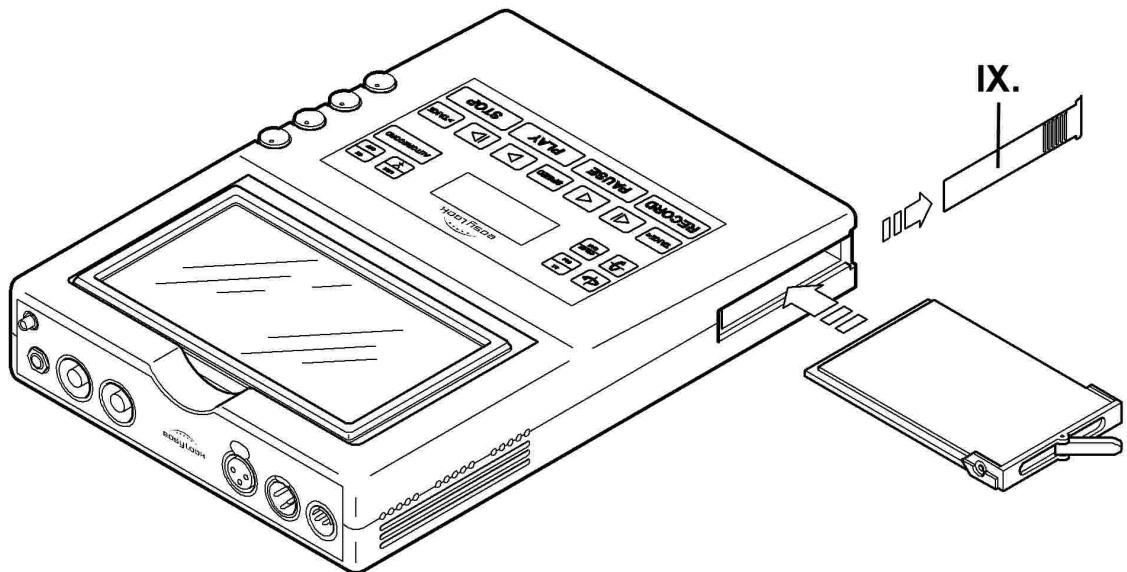
#### 2.1.1 Insert / Change Battery Pack

Push the battery compartment cover (I.) towards the back of the Easylook Video Assist. Insert a fully charged [battery pack ES-01A-04](#) (lettering upward). Close battery compartment by sliding the cover back on. To change or take out the battery pack, turn off the Easylook Video Assist (for more information, see [ON/OFF](#)) Open the battery compartment and pull out the battery pack, using the little black string. (for more information on charging batteries, see [Batteries and Charger](#))



## 2.1.2 Hard Disk Installation

Unless no already done, it is necessary to insert the [hard disk ES01A-03](#) into the Easylook Video Assist unit. Make sure the Easylook Video Assist is turned off. (for more information, see [ON/OFF](#)) Push the hard disk compartment cover (IX.) towards the front of the Easylook Video Assist and take it off. Insert a [hard disk ES01A-03](#) (green side up) and push it in firmly. Close hard disk compartment by sliding the cover back on. To change or take out the hard disk ES01A-03, turn off the Easylook Video Assist, open the hard disk compartment and pull out the hard disk out, using the little lever.



→ Unless not already done, it is necessary to format a new hard disk before the first use. (for more information, see [Hard Disk Formatting](#))

## 2.2 Main Key Functions in brief

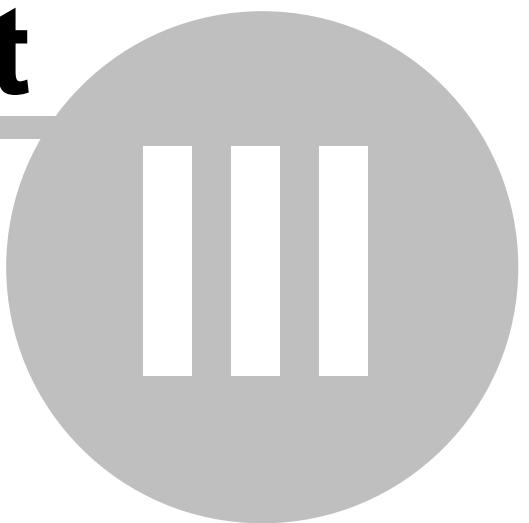
These are the basic Easylook Video Assist functions and the activating keys.

	on / off (M)	switches the unit on and off
	record (X)	activates the manual recording function
	playback (H)	plays back selected take
	stop (I)	stops recording or playback
	pause (F)	pauses playback
	fast-forward (K)	fast-forward the video
	fast-backward (E)	fast-backward the video
	jump take forward (J)	jump one take forward
	jump take backwards (C)	jump one take backwards
	line / wireless operation (N)	switch to wireless mode and select wireless channel
	color bar (Q)	display color bar
	4:3 /16:9 selector (R)	switch between 4:3 and 16:9 aspect ratio
	TFT horizontal flip (A)	mirror TFT picture horizontal
	TFT vertical flip (B)	mirror TFT picture vertical

➔ Please bookmark this page for further reference.

# **Part**

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### 3 The System

This manual describes the Easylook Video Assist [ES10-01](#), [ES10-02](#) and [ES10-03](#). The [ES10-03](#) has no [TFT screen](#) and no video receiver. Instructions about the TFT screen and the wireless operation in this manual do not apply to the Easylook Video Assist ES10-03.

This manual illustrates the Easylook Video Assist main unit [ES10-01](#).

**! Operate this unit strictly according to the instructions contained in this manual. !**

#### 3.1 Main Unit ES10-01 Package Contents

The following items are supplied with the Easylook Video Assist Professional Edition ES10-01.

- 1 Main unit Easylook Video Assist recorder with an integrated receiver and a TFT display
- 1 Battery compartment lid
- 1 Hard disk compartment lid
- 1 2.5" 80 GB hard disk with docking frame [ES01A-03](#)
- 2 Lithium-Ion rechargeable battery packs [ES01A-04](#)
- 1 Battery Charger with mains power cable [ES01A-05](#)
- 1 Monitor transmitter [ES01S-01](#) with a 4" TFT display  
(alternative single transmitter)
- 1 Antenna [AE01-01](#)
- 1 Antenna [AE01-02](#)
- 1 Bracket arm [ES01A-02](#)
- 1 Cable [TR AS 1 CE01-01](#)
- 1 Video cable with BNC connectors [CE02-01](#)

#### 3.2 Main Unit ES10-02 Package Contents

The following items are supplied with the Easylook Video Assist Basic Edition ES10-02.

- 1 Main unit Easylook Video Assist recorder with an integrated receiver and a TFT display
- 1 Battery compartment lid
- 1 Hard disk compartment lid
- 1 2.5" 80 GB hard disk with docking frame [ES01A-03](#)
- 2 Lithium-Ion rechargeable battery packs [ES01A-04](#)
- 1 Battery Charger with mains power cable [ES01A-05](#)
- 1 Antenna [AE01-01](#)

#### 3.3 Main Unit ES10-03 Package Contents

The following items are supplied with the Easylook Video Assist Rack Edition ES10-03.

- 1 Main unit Easylook Video Assist recorder
- 1 Battery compartment lid
- 1 Hard disk compartment lid
- 1 2.5" 80 GB hard disk with docking frame [ES01A-03](#)
- 1 Power converter 110V/220V to 12V

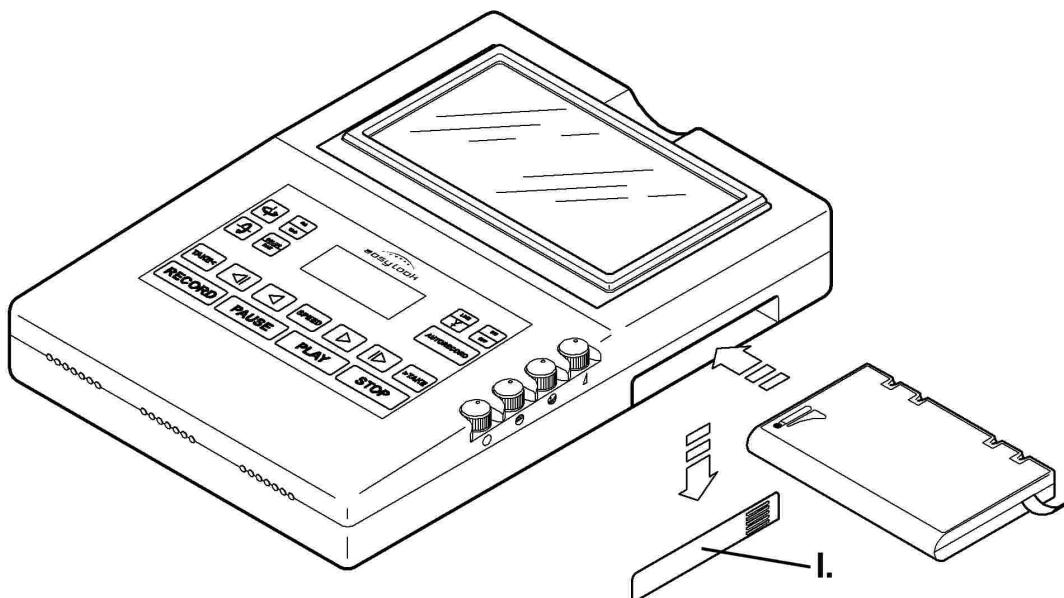
## 3.4 Power Supply

Charge the [battery pack ES01A-04](#) before use. (for more information, see [Batteries and Charger](#))

→ If the battery level is running low the battery level indicator (**D7**) starts flashing and the [TFT display](#) is automatically powered down, recording will still continue though. Switch off the Easylook Video Assist and [change the battery](#). (for more information, see [Batteries and Charger](#))

### 3.4.1 Insert / Change Battery Pack

Push the battery compartment cover (**I.**) towards the back of the Easylook Video Assist. Insert a fully charged battery pack [ES-01A-04](#)(lettering upward). Close battery compartment by sliding the cover back on. To change or take out the battery pack, turn off the Easylook Video Assist (for more information, see [ON/OFF](#)) Open the battery compartment again and pull out the battery pack, using the little black string. (for more information on charging batteries, see [Batteries and Charger](#))



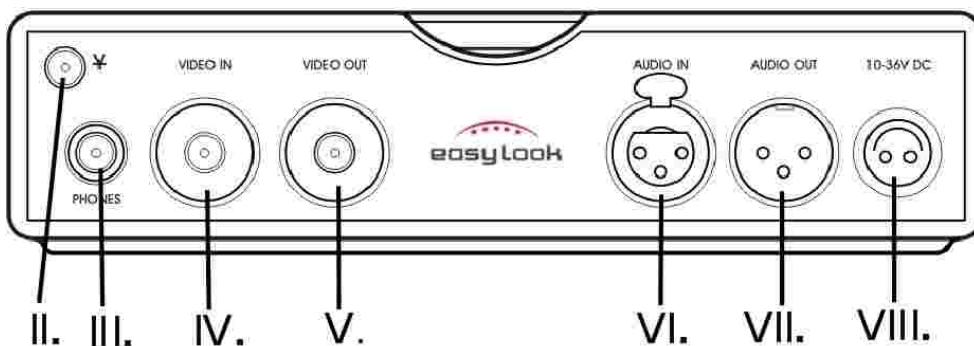
### 3.4.2 External Power Supply

If needed an external camera battery (10-32V DC) can be attached to the Easylook Video Assist. Take out the internal battery pack (for more information, see [Insert/Change Battery Pack](#)), then connect a standard ARRI 24V (Fischer connector) camera cable to the POWER in connector on the Easylook Video Assist (**VIII.**) Connect the cable to your camera battery.

→ If you leave the internal battery pack inside the Easylook Video Assist while having an external battery attached the Easylook Video Assist will use the internal battery pack for power supply.

→ /External battery power must not exceed 32V DC /

### 3.5 Connections on the Back of the Unit



- II. Antenna Connector
- III. Earphone jack 6.5mm
- IV. Video in (BNC type)
- V. Monitor out (BNC type)
- VI. Audio in (XLR, 3-pin female)
- VII. Audio out (XLR, 3-pin male)
- VIII. DC IN

#### 3.5.1 Antenna / Wireless Operation (ES10-01 & ES-10-02 only)

Before switching on the Easylook Video Assist screw the [antenna AE01-01](#) on the antenna connector Y (II.) on the back of the Easylook Video Assist. Press until the Y key LED lights up. By repeatedly pressing the key it is possible to scroll through the different transmitting channels. The wireless channel indicator (D4) in the [data display](#) shows the selected channel number.

RF: x

Make sure the transmitter and the Easylook Video Assist are using the same channel.

→ Best results are achieved if all antennas are kept vertical.

#### 3.5.2 Video Line In

For cable operation press until "LINE" LED lights up. Connect the video source (e.g. film camera) to the VIDEO IN connector (IV.) on the back of the Easylook Video Assist.

#### 3.5.3 Video Line Out

The VIDEO OUT connector (V.) outputs the live video signal or the video signals recorded with the Easylook Video Assist. In order to watch the actual live video signal or playback on an external monitor, simply connect a monitor to the VIDEO OUT connector (V.) on the back of the Easylook Video Assist via a BNC cable (e.g. [BNC cable CE02-01](#)).

→ This works in [cable](#) or [wireless mode](#).

### 3.5.4 Audio In

You can connect a XLR type audio connector to the AUDIO IN connector (**VI.**) on the back of the Easylook Video Assist. The sound will be recorded simultaneously to the provided video signal. In video playback mode the recorded sound will be heard over the internal speaker, a connected headset (for more information, see [Earphone Jack](#)) or any sound monitor connected to the AUDIO OUT connector (**VII.**). (for more information, see [Audio Out](#))

### 3.5.5 Audio Out

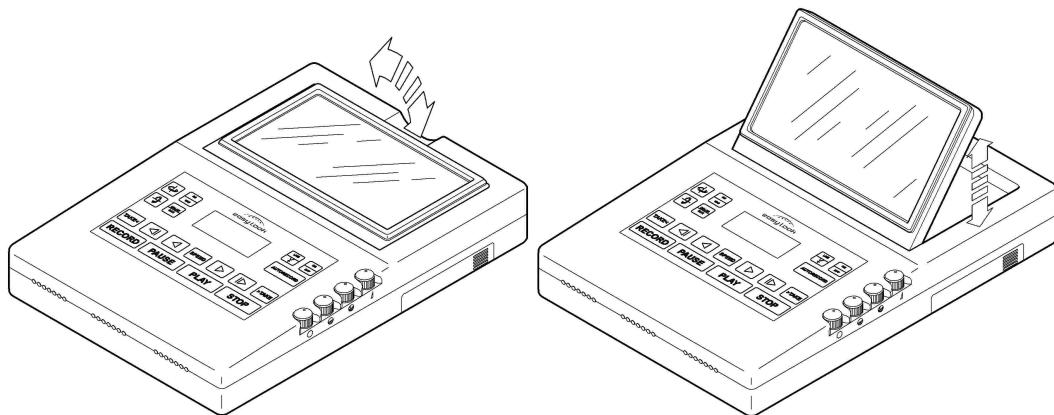
This connector outputs the audio signals recorded with Easylook Video Assist. Connect any external sound monitor to the AUDIO OUT (**VII.**) XLR-connector on the back of the Easylook Video Assist.

### 3.5.6 Earphone Jack

You can monitor the sound during recording and playback sound during playback. Plugging an earphone into the jack automatically cuts off the built-in speaker. Adjust the volume with the volume switch (**V.**) on the right side of the Easylook Video Assist.

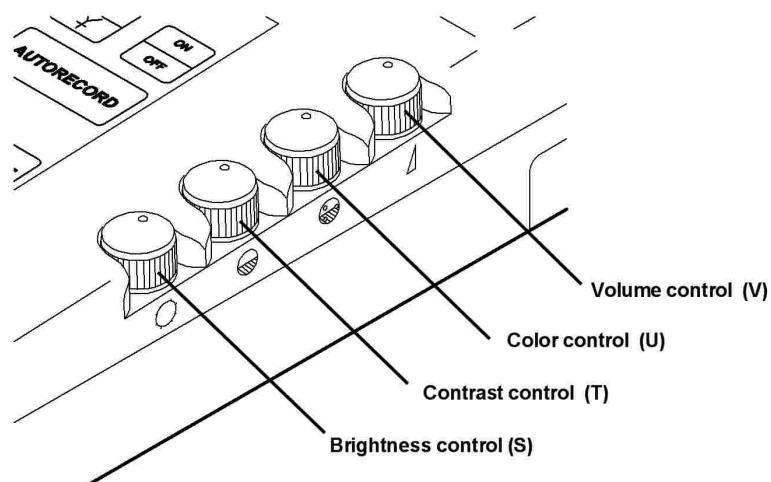
## 3.6 Monitor TFT Display (ES10-01 & ES-10-02 only)

The onboard TFT monitor is designed to adjust it to an optimal viewing angle. Just lift TFT monitor until you find the optimal viewing angle.



→ Do not touch the screen while changing the viewing angle. It may damage the screen. Make sure not to catch your fingers while changing the viewing angle.

! The TFT monitor is made of glass, and rough handling or dropping the Easylook Video Assist can cause the TFT display to break. If the TFT display breaks and the internal fluid gets into your eyes or on your hands, immediately wash the affected areas with water for at least 15 minutes; if any symptoms are present after washing, get medical care. !



### 3.6.1 Brightness Control

Use this control (**S**) to adjust the brightness of the onboard TFT screen.

### 3.6.2 Contrast Control

Use this control (**T**) to adjust the contrast of the onboard TFT screen.

### 3.6.3 Color Saturation Control

Use this control (**U**) to adjust the color of the onboard TFT screen.

### 3.6.4 Mirror TFT display

Press the  (**A**) key to mirror the picture on the onboard TFT display horizontal.

Press the  (**B**) key to mirror the picture on the onboard TFT display vertical.

### 3.6.5 4:3 / 16:9 change

Pressing the  (**R**) key toggles the aspect ratio of the onboard TFT display between 4:3 and 16:9. In 16:9 mode the TFT will show a larger image, without the 16:9 letterbox bars. This is useful when your project is filmed in 16:9 and the video signal provided is letterboxed.

→ All adjustments done the onboard TFT display, will not show on any external monitor connected to VIDEO OUT connector. To adjust the picture of any external monitor use the controls on that monitor. (for more information, see [VIDEO OUT](#))

### 3.6.6 Color Bar

Pressing the  (**Q**) key displays a color bar test pattern on the internal TFT display and on any connected external monitors. This very useful to adjust your displays. Press the  key (**Q**) again to switch off the test pattern.

### 3.7 Data Display

The data display (D.) provides you with main status information of Easylook Video Assist unit.



- D1 - [Playback frame rate](#)
- D2 - [Recording time left](#)
- D3 - [Take counter](#)
- D4 - [Wireless channel indicator](#)
- D5 - [Receiving wireless signal strength indicator](#)
- D6 - [Timecode display](#)
- D7 - [Battery status indicator](#)
- D8 - [Easylook Video Assist status indicator](#)
- D9 - [actual playback / camera speed \(only indicated during playback/ recording\)](#)

! The LCD data monitor is made of glass, and rough handling or dropping the Easylook Video Assist can cause the LCD display to break. If the LCD display breaks and the internal fluid gets into your eyes or on your hands, immediately wash the affected areas with water for at least 15 minutes; if any symptoms are present after washing, get medical care. !

### 3.7.1 Brightness Adjustment of the Data Display

To adjust the brightness of the data display

press  (I) +  (A) to darken the data display or

press  (I) +  (B) to brighten the data display.

### 3.7.2 Status Indicator

The status indicator (**D8**) provides you with a feedback about the operational status of the Easylook Video Assist.

LIVE VIDEO	the unit displays a live video picture as provided by the video source
PLAY	the unit is in playback mode
PLAY PAUSE	the unit is in paused playback mode
PLAY FAST	the unit is in fast-forward playback mode
PLAY FAST REV	the unit is in fast-backward playback mode
RECORD	the unit is in record mode

### 3.7.3 Take Counter

The take counter (**D3**) indicates the take chosen for playback.

T xxxx

(for more information, see [Playback, Select Take to Playback](#))

### 3.7.4 Timcode Display

While in recording or playback mode the timecode display (**D6**) indicates the current position within a take. The timecode contains binary coded decimal (**hour:minute:second:frame**) identification to assist you in finding a certain position within a take. The timecode display also indicates the lengths of a take during recording. (for more information, see [Playback, Recording](#))

### 3.7.5 Playback Frame Rate Indicator

The playback frame indicator (**D1**) shows the actual selected playback speed. (for more information, see [Playback, Alternative Speed Playback](#))

### 3.7.6 Actual Playback / Camera Speed Indicator

This indicator (**D9**) shows two different speeds, depending on the Easylook Video Assist's working mode.

In **recording mode** the indicator shows:

CAM xx

In this mode the Easylook Video Assist indicates the actual frame rate of the camera providing the video source.

→ For the proper function of the camera speed display it is important to use an Easylook video transmitter ([ES1S-01](#) or [ES1S-02](#)) with the according [autorecord cable](#) for that camera. (for more information, see the [cable](#) section of this manual) In [line mode](#) operation the Easylook Video Assist's VIDEO IN connector must be connected through the Easylook video transmitter ([ES1S-01](#) or [ES1S-02](#)) with the video source (camera) by a BNC cable.

In **playback mode** the indicator shows:

**PLAY xx**

In this mode it indicates the actual frame rate the video is playing back at. (for more information, see [Alternative Speed Playback](#), [Setting Standard Playback Speed Frame Rate](#))

### 3.7.7 Recording Time Left Display

The recording time left indicator (**D2**) displays how much time in hours and minutes are remaining on the Easylook Video Assist's hard disk for recording.

**HD xx:xx h**

(HD hour:minute h)

### 3.7.8 Wireless Channel Indicator

The wireless channel indicator (**D4**) displays the active wireless transmitting channel.

**RF: x**

(for more information, see [Wireless Mode](#))

→ In [line mode](#) operation the wireless channel indicator (**D4**) is not displayed. (for more information, see [Line Mode](#), [Wireless Mode](#))

### 3.7.9 Wireless Signal Strength Indicator

The wireless signal strength indicator graph (**D5**) displays the strength of the received wireless signal with small bars above the battery signal on the left side of the data display (**D**).

6-7 bars	excellent wireless reception
3-5 bars	medium wireless reception
1-2 bars	bad wireless reception

(for more information, see [Wireless Mode](#), [Troubleshooting](#))

→ In [line mode](#) operation the wireless signal strength indicator (**D5**) is not displayed. (for more information, see [Line Mode](#), [Wireless Mode](#))

### 3.7.10 Battery Status Indicator

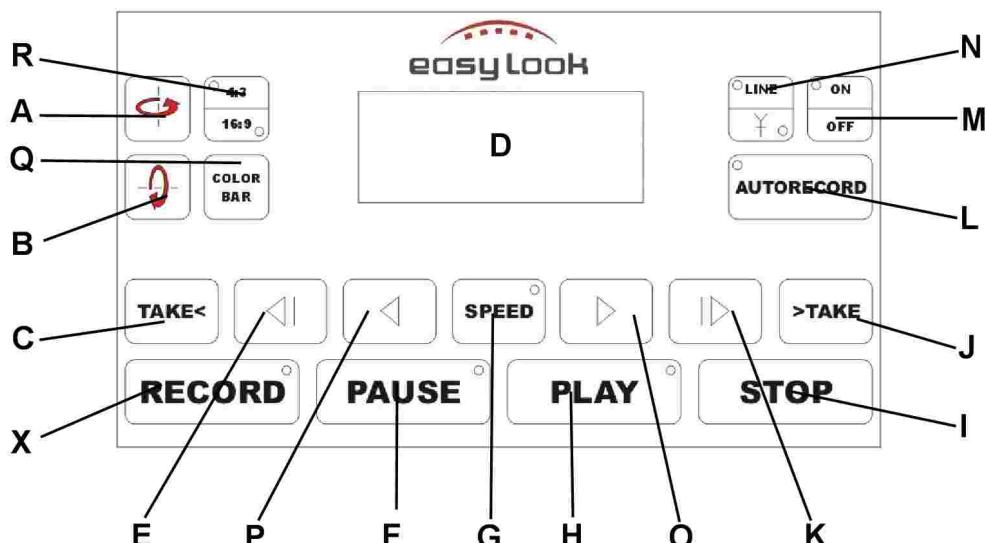
The battery status indicator bar graph display (**D7**) on the right side of the [data display](#) represents the current level of the battery charge.

7-8 bars	excellent battery condition
5-6 bars	medium battery condition
1-4 bars	low battery condition
flashing battery indicator	empty battery - change battery immediately

→ This display is not linear. As with many fuel level gauges, the top half of the display range covers considerably more than half the capacity range.

→ If the battery level is running low the battery level indicator (**D7**) starts flashing and the [TFT display](#) is automatically powered down, recording will still continue though. Switch off the Easylook Video Assist and [change the battery](#). (for more information, see [Batteries and Charger](#))

## 3.8 Keypad



(D) data display (for more information, see [Data Display](#))

- |  |                             |
|--|-----------------------------|
|  | TFT horizontal flip (A)     |
|  | TFT vertical flip (B)       |
|  | jump take backwards (C)     |
|  | fast backward (E)           |
|  | pause (F)                   |
|  | playback speed selector (G) |

	<b>playback (H)</b>
	<b>stop (I)</b>
	<b>jump take forward (J)</b>
	<b>fastforward (K)</b>
	<b>autorecord (L)</b>
	<b>on / off (M)</b>
	<b>line / wireless operation (N)</b>
	<b>alternative speed playback (O)</b>
	<b>alternative speed reverse playback (P)</b>
	<b>color bar (Q)</b>
	<b>4:3 /16:9 selector (R)</b>
	<b>record (X)</b>

**Part**

---

**IV**

## 4 Operation

### 4.1 On/Off Switch



To switch on the Easylook Video Assist press **(M)** on the [keypad](#). The red "ON" LED lights up and indicates normal operation. The Easylook Video Assist is ready for use as soon as the timecode appears in the data display.

→ If you switch on the Easylook Video Assist and no timecode is showing in the display, switch off the Easylook Video Assist, take out the hard disk and push it back in firmly, switch on again. (for more information, see [Troubleshooting](#))



Switch off the Easylook Video Assist by pressing **(M)** again. The data display reads:

**GOOD BYE!**  
**SEE YOU AGAIN**

Wait till the data display goes dark. This might take up to 15 seconds. Then you are ready to store away the Easylook Video Assist.

→ You should always save the Easylook Video Assist setup before switching off the Easylook Video Assist unit. (for more information, see [Store and Reset Settings](#))

### 4.2 Standby Mode

Standby mode conserves power by turning off the display and the hard drive after approximately ten minutes of inactivity (a time-out). To "wake up" the Easylook Video Assist, simply press any key. While being in sleep mode the data display reads:

**STANDBY**

**PRESS ANY KEY**

**TO RESTART**

When the Easylook Video Assist exits standby mode, it returns to the standard operating mode.

### 4.3 Save and Reset Settings

To save or reset your actual settings and any changes you made to the Easylook Video Assist's setup

press **STOP** **(I)** + **|>** **(K)**. The data display reads:

**SETTINGS**

**XXX**

**PRESS RECORD TO CONFIRM  
OR STOP TO ESCAPE**

Pressing the **RECORD** (D) key toggles between **STORE** and **RESET** settings, as shown in the data display. If your desired mode is displayed hit the **STOP** (I) key to take over your new setting and to leave the setup menu.

Among the stored settings are:

- autorecord on/off
- playback mode (single, loop, stream)
- standard playback speed rate
- playback with camera speed on/off
- video recording resolution
- 4:3 / 16:9 display
- horizontal or vertical picture mirroring
- line / wireless mode
- NTSC / PAL video system

→ You should always save the Easylook Video Assist's setup before switching off the Easylook Video Assist unit. The next time you power up the Easylook Video Assist, you find the Easylook Video Assist unit ready for operation with all your former settings.

## 4.4 Playback

Each recording made by the Easylook Video Assist is referred to as one take. Press the **PLAY** (H) button to activate the playback function. The Easylook Video Assist plays back the last recorded take if no other take is selected. (for more information, see [Select Take to Playback](#)). The playback will be shown with standard playback speed. (for more information, see [Setting Standard Playback Speed Frame Rate](#)) To end the playback hit the **STOP** (I) key.

### 4.4.1 Pause Playback

To pause a video playback press the **PAUSE** (F) key. To continue the video playback press either the **PLAY** (H) key or the **PAUSE** (F) key again.

### 4.4.2 Fast Forward / Backward

It is possible to fast-forward the video by keeping the **|>** (K) key pressed or to fast-backward by keeping the **<|** (E) key pressed. Use those keys until you reached the desired video position. When you stop pressing the fast-forward or fast-backward key the unit switches to pause playback mode. (for more information, see [Pause Playback](#)). To continue the video playback from that chosen position press either the **PLAY** (H) key or the **PAUSE** (F) key.

→ Fast-forward and fast-backward works also while playing back a take.

#### 4.4.3 Alternative Speed Playback

The Easylook Video Assist is able to playback the recorded video signal in different speeds. By playing back in a different than the recorded speed the Easylook Video Assist simulates slow motion or time lapse shots. Press the **SPEED** (G) key to change the playback speed. The selected playback speed is displayed by the playback frame rate indicator (D1) in the upper left corner of the data display:

**FPS: xxx**

Possible playback speeds are any rate between 1 fps to 99 fps, and the these hard-coded speeds:

**6.2fps, 12.5fps, 33.3fps, 100 fps, 120 fps, 150fps, 200fps, 250fps, 300fps, 360fps.**

By pressing the **SPEED** (G) key repeatedly it is possible to select the desired playback frame rate.

Keeping the **SPEED** (G) key pressed scrolls through the possible speed rates quickly. After selecting the right take and setting the desired speed press the **>** (O) key to start a slow motion or time lapse playback. To view a reverse playback with an alternative speed press the **<** (P) button. To end the playback hit the **STOP** (I) key.

#### 4.4.4 Playback with camera speed on/off

The Easylook Video Assist is able to detect and record the video source's (film camera) frame rate automatically. With camera speed option turned on, the Easylook Video Assist will playback the chosen take at the very same frame rate the film camera was rolling while shooting that take.

Press the **STOP** (I) + **SPEED** (G) keys simultaneously on the keypad. The data display reads:

**PLAYBACK WITH CAM SPEED?**

**XXX**

**PRESS RECORD TO CHANGE  
OR STOP TO ESCAPE**

Pressing the **RECORD** (D) key toggles between **yes** and **no**, as shown in the data display. If your desired playback speed mode is displayed hit the **SPEED** (G) key. The data display reads:

**READ OUT CAM SPEED?**

**XXX**

**PRESS RECORD TO CHANGE  
OR STOP TO ESCAPE**

Pressing the **RECORD** (D) key toggles between **yes** and **no**, as shown in the data display.

This needs to be set to yes in order to provide a playback according to camera speed.

Hit the **STOP** (I) key to take over your new setting and to leave the setup menu.

- The read out cam speed option should always be set to yes. Only in the unlikely event of wrong frame rates read by the Easylook Video Assist it is advisable to disable the "read out cam speed" function by switching it to no.
- For the proper function of the automatic playback speed mode it is important to use an Easylook video transmitter ([ES1S-01](#) or [ES1S-02](#)) with the according [autorecord cable](#) for that camera. (for more information, see the [cable](#) section of this manual) In [line mode](#) the Easylook Video Assist's VIDEO IN connector must be connected trough the Easylook video transmitter ([ES1S-01](#) or [ES1S-02](#)) with the video source (camera) by a BNC cable. (for more information, see [Auto Playback Speed Mode Malfunction](#))

#### 4.4.5 Select Take to Playback

Each recording made by the Easylook Video Assist is referred to as one take. If you press the **PLAY** (H) button directly after a making a recording the Easylook Video Assist plays back the last recorded take. To play back a different than the last take use the **>TAKE** (J) and **TAKE<** (C) keys to scroll to the desired take. Pressing the **>TAKE** (J) key scrolls forward, the **TAKE<** (C) key scrolls backwards. The actual chosen take is indicated by the take counter (D3) in the upper left corner of the [data display](#) (D).

T xxxxxxx

After you have chosen a take for playback press the **PLAY** (H) button to activate the playback function.

#### 4.4.6 Setting Standard Playback Speed Frame Rate

It is possible to preselect the standard playback frame rate used by the Easylook Video Assist. If the playback is initiated with standard **PLAY** (H) key the Easylook Video Assist uses this preselected playback speed. It is indicated by the playback frame rate indicator in the top right corner (D9) of the data display during playback. To change the standard playback speed press **STOP** (I) + **PAUSE** (F) keys simultaneously on the keypad (D). The data display reads:

**STANDARD PLAYBACK SPEED**

**XX FPS**

**PRESS RECORD TO CONFIRM  
OR STOP TO ESCAPE**

Pressing the **RECORD** (D) key toggles between 24, 25 and 30 fps, as shown in the data display. If your desired standard playback speed is displayed hit the **STOP** (I) key to take over your new setting and to leave the setup menu.

- The standard playback speed rate should be the same as the frame rate your video source uses: 25 fps for PAL, 30 fps for NTSC operation and 24 fps if your film camera is rolling at 24 fps speed.

#### 4.4.7 Playback Mode (single, loop, stream)

The Easylook Video Assist uses three different playback operation modes: single, loop and stream mode

##### Single (or single take) playback

In single (or single take) playback mode the Easylook Video Assist plays back the selected take and stops.

##### Loop playback mode

In the loop playback mode the Easylook Video Assist repeats the playback of a selected single take until you press **STOP** (I).

##### Stream playback mode

In stream playback mode the selected take and all other takes following that one will be played back until you press **STOP** (I).

To change the standard playback speed press **STOP** (I) + **PLAY** (H) keys simultaneously on the keypad (D). The data display reads:

SET PLAYBACK MODE

XXX

PRESS RECORD TO CONFIRM  
OR STOP TO ESCAPE

Pressing the **RECORD** (D) key toggles between single, loop and stream mode, as shown in the data display. If your desired standard playback mode is displayed hit the **STOP** (I) key to take over your new setting and to leave the setup menu.

## 4.5 Recording

The Easylook Video Assist records video in two different modes. Manual recording and automatic recording mode (AUTORECORD).

### Manual Recording Mode

The Easylook Video Assist starts the recording after you pressed **RECORD** (D) key.

### Automatic Recording Mode (AUTORECORD)

In this mode the Easylook Video Assist starts the recording automatically as soon as the camera providing the video signal starts rolling/recording. When the camera stops rolling/recording, the Easylook Video Assist stops the recording too, without any user interference.

### 4.5.1 Manual Recording

To record the actual video from the video source, press the  (D) key. To end the recording hit the  (I) key.

→ After stopping a long recording of more than 8 minutes, there might be a slight delay of a few seconds, until the recording ends.

### 4.5.2 Automatic Recording

Automatic recording works in [line](#) and [wireless](#) video transmitting modes as long as the video signal is transmitted through an Easylook video transmitter ([ES1S-01](#) or [ES1S-02](#)). Press the  (L) key until red LED on the autorecord button lights up. The Easylook Video Assist is now in automatic recording mode, which means the Easylook Video Assist starts and stops the recording automatically in sync with the camera providing the video signal. While being in autorecord mode it is still possible to manually record a take by pressing the  (D) key.

→ For the proper function of the automatic recording mode it is important to use an Easylook video transmitter ([ES1S-01](#), [ES1S-02](#) or [ES1S-12](#)) with the autorecord box (ES01A-01) or the according [autorecord cable](#) for that camera. (for more information, see the [cable](#) section of this manual, page ) In [line mode](#) the Easylook Video Assist's VIDEO IN connector must be wired trough the Easylook video transmitter ([ES1S-01](#) or [ES1S-02](#)) with the video source (camera) via BNC cable.(for more information, see [Auto Record Mode Malfunction](#))

### 4.5.3 Video Recording Resolution Setting

The Easylook Video Assist supports two different video resolution recording modes. High resolution recording mode and long play mode.

#### High resolution mode

In high resolution playback mode the Easylook Video Assist records with a compression of 5:1 and plays back the video in high resolution. In high resolution playback mode a 80GB Hard Disk ES01A-03 records about 5:15h of video.

#### Long play mode

In long play playback mode the Easylook Video Assist records with a compression of 10:1 and plays back the video in low resolution. In long play playback mode a 80GB Hard Disk ES01A-03 records about 10:27h of video.

To change the video resolution mode press  (I) +  (O) keys simultaneously on the keypad (D). The data display reads:

SET VIDEO COMPRESSION

xxx RES x:1

PRESS RECORD TO CONFIRM

**OR STOP TO ESCAPE**

Pressing the  (D) key toggles between

**LOW RES 10:1**

and

**HIGH RES 5:1**

as shown in the data display. If your desired recording quality is displayed hit the  (I) key to store your new setting and to leave the setup menu.

## 4.6 Delete the last Take

To erase the last recorded take press the  (I) +  (D) keys simultaneously on the keypad. The data display reads:

**DELETE LAST TAKE ?**

**PRESS RECORD TO CONFIRM  
OR STOP TO ESCAPE**

If you like to delete the last take press the  (X) key. To cancel this operation press the  (I) key.

## 4.7 Delete all Takes

To erase all takes on the hard disk (erase hard disk) press the  (I) +  (C) keys simultaneously on the keypad. The data display reads:

**DELETE ALL FILES ?**

**PRESS RECORD TO CONFIRM  
OR STOP TO ESCAPE**

If you like to erase your hard disk press the  (D) key. To cancel this operation press the  (I) key. This might take up to 45 seconds.

## 4.8 Line Mode

To select the VIDEO IN connector as the video input for the video signal provided by the video source press the  (I) +  (N) keys simultaneously. The green LED in the  (N) key lights up and indicates line mode operation.

→ It is recommend to always connect through an Easylook video transmitter ([ES1S-01](#) or [ES1S-](#)

[\(O2\)](#) to your video signal source (camera). By doing so the proper function of the [automatic recording](#) and [camera speed playback](#) mode is ensured. (for more information, see [Automatic Recording Mode](#), [Playback with camera speed](#).)

## 4.9 Wireless Mode (change channel)

Press  until the green  $\gamma$  (antenna) key LED lights up. By repeatedly pressing the  (N) key it is possible to scroll through the different transmitting channels. The wireless [channel indicator](#) (**D4**) in the [data display](#) shows the selected channel number:

RF: x

Make sure the transmitter and the Easylook Video Assist are using the same channel. The strength of the wireless video signal is indicated by the wireless signal strength indicator (**D5**). (for more information, see [Receiving Wireless Signal Strength Indicator](#), [Wireless Channel Indicator](#))

→ Best results are achieved if all antennas are kept vertical.

## 4.10 Volume Control

This control (V.) adjusts the speaker or earphone volume for sounds recorded with the Easylook Video Assist. At the minimum position no sound can be heard.

→ Plugging an earphone into the earphone jack (III.) automatically cuts off the built-in speaker. (for more information, see [Earphone Jack](#))

## 4.11 Warm Start Unit

To warm start the Easylook Video Assist press the  (I) +  (J) keys simultaneously. After the timecode shows again in the data display the Easylook Video Assist is ready again.

→ A warm start might be useful if any strange behavior appears during Easylook Video Assist operation.

## 4.12 NTSC / PAL switch

Press the  (I) +  (Q) keys simultaneously to setup the video system used by your video source . The data display reads

SET VIDEO STANDARD

XXX

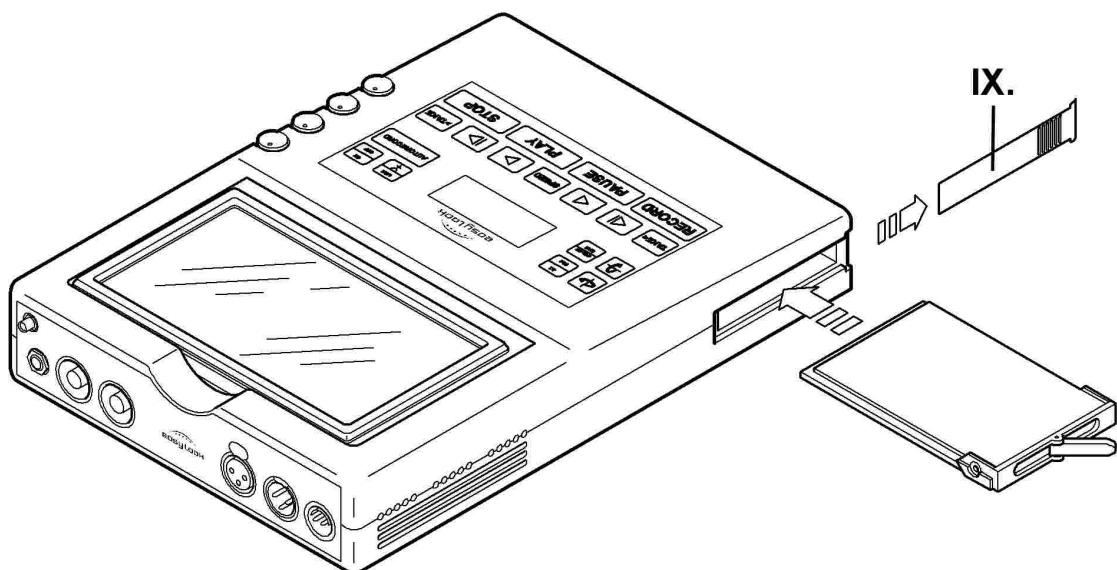
PRESS RECORD TO CHANGE  
OR STOP TO ESCAPE

Pressing the **RECORD** (D) key toggles between PAL (Phase Alteration by Line) or NTSC (National Television Standards Committee) video system as shown in the data display. If your desired video system is displayed hit the **STOP** (I) key to take over your new setting and to leave the video system setup menu.

→ *The chosen video system applies for the video source as well as the video out signal provided the VIDEO OUT connector (V.)*

## 4.13 Hard Disk Installation

Make sure the Easylook Video Assist is turned off. (for more information, see [ON/OFF](#)) Push the hard disk compartment cover (IX.) towards the front of the Easylook Video Assist and take it off. Insert a [hard disk ES01A-03](#) (green side up) and push it in firmly. Close hard disk compartment by sliding the cover back on. To change or take out the hard disk ES01A-03, turn off the Easylook Video Assist, open the hard disk compartment and pull out the hard disk, using the little lever.



→ *It is necessary to format a new hard disk before the first use. (for more information, see [Hard Disk Formatting](#))*

## 4.14 Hard Disk Formatting

Before formatting a used hard disk, please erase the whole disk using the [Delete all Takes procedure](#). (for more information, see [Delete all Takes](#)) Then turn off the Easylook Video Assist by pressing the **ON/OFF** (M) key. Turn the unit on again by hitting the **ON/OFF** (M) key again. The data display reads:

**starting EASYLOOK ...**

now press the **PAUSE** (F) + **TAKE <** (C) keys immediately until the data display reads:

**FORMAT DISK ?**

**PRESS RECORD TO CONFIRM  
OR STOP TO ESCAPE**

If you like to format the hard drive press the **RECORD** (D) key. Wait 45 seconds and turn off the Easylook Video Assist and switch it on again. (for more information, see [ON/OFF](#)). To cancel this operation press the **STOP** (I) key.

**! *Formatting the hard disk erases all data stored on that disk !***

→ *Alternatively hard disks may be formatted FAT32 using the [Easylook docking station](#) (HDE-01) and a Apple or Windows computer. Without third party software MS Windows is unfortunately only capable of formatting disks up to 32 GB in FAT32. This limitation is not present on Apple computers.*

## 4.15 Recalibrate the Battery Status Indicator

**! *This procedure is not required during normal operation and should only be executed by a trained service technician !***

Insert a fully charged battery into the Easylook Video Assist and switch the unit on. Then press the **STOP** (I) + **◀** (E) keys simultaneously. The data display reads:

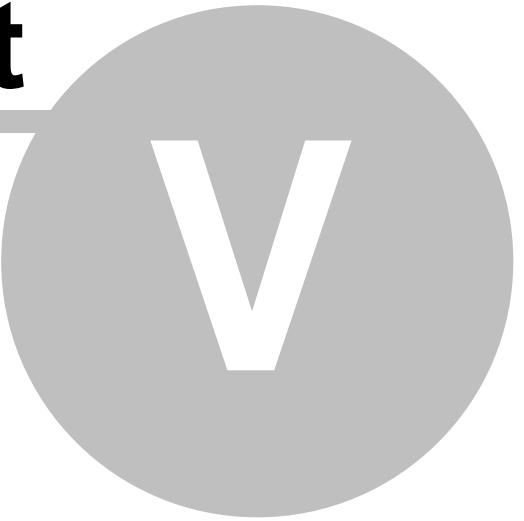
**BATTERY FULL ?**

**PRESS RECORD TO CONFIRM  
OR STOP TO ESCAPE**

If you like to recalibrate the battery status indicator (D7) press the **RECORD** (D) key. To cancel this operation press the **STOP** (I) key.

**Part**

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V

## 5 Appendix

### 5.1 Care and Maintenance

*/Do not attempt to service a product yourself unless instructed to do so by Easylook System. /*

#### **Cleaning the housing and the keypad of the Easylook Video Assist unit**

Occasionally clean your Easylook Video Assist housing as follows:

1. Prepare a mixture of a gentle kitchen-use detergent (one that does not contain abrasive powder or strong chemicals such as acid or alkaline). Use 5 parts water to 1 part detergent.
2. Absorb the diluted detergent into a sponge.
3. Squeeze excess liquid from the sponge.
4. Wipe the housing with the sponge, using a circular motion and taking care not to let any excess liquid drip.
5. Wipe the surface to remove the detergent.
6. Rinse the sponge with clean running water.
7. Wipe the housing with the clean sponge.
8. Wipe the surface again with a dry, soft lint-free cloth.
9. Wait for the surface to dry completely and remove any cloth fibers from the Easylook Video Assist's surface.

#### **Cleaning the TFT display and data display of the Easylook Video Assist unit**

1. Gently wipe the display with a dry, soft lint-free cloth.
2. Wipe or dust any stain gently with a soft, dry cloth.
3. If the stain remains, moisten a soft, lint-free cloth with water or a 50-50 mixture of isopropyl alcohol and water that does not contain impurities.
4. Wring out as much of the liquid as you can.
5. Wipe the display again; do not let any liquid drip into the Easylook Video Assist unit.
6. Be sure to dry the display before using it.

#### **Before storing the unit for a long period**

Remove the battery pack.

#### **Battery Pack ES01A-04**

Keep your batteries clean. It's a good idea to clean dirty battery contacts with a cotton swab and alcohol. This helps to maintain a good connection between the battery and your Easylook Video Assist.

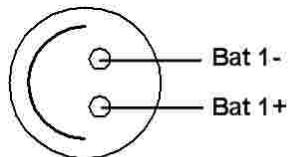
For a long time storage of the Battery Pack ES01A-04 the battery pack should be stored at room temperature, charged to approx. 30 to 50% of capacity. We recommend that battery pack be charged about once per year to prevent overdischarge.

## 5.2 Technical specifications\*

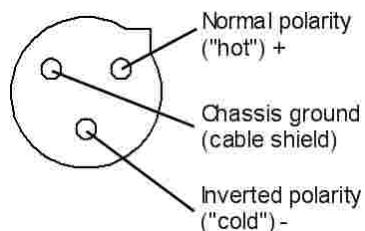
<b>Video In</b>	BNC	75 Ohm FBAS	1Vpp	625/50 (PAL) or 525/60 (NTSC)
<b>Video Out</b>	BNC	75 Ohm FBAS	1Vpp	
<b>Audio In</b>	XLR 3-Pin Female	4.7 kohms	unbalanced	
<b>Audio Out</b>	XLR 3-Pin Male	< 30 ohms	unbalanced	
<b>Headphone</b>	6.3 mm stereo jack	200 ohms		
<b>Built-in Speakers</b>	100 mW		8 Ohm ( x2 )	
<b>Recommended Audiolevel ( Input )</b>	0 dBu			
<b>Storage Media</b>	2.5-inch 80 GB hard disk drive			
<b>Display:</b>	color display, 7" TFT technology			

\*Data subject to change without notice.

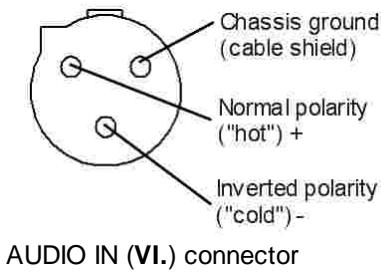
### 5.2.1 Connector Pinouts



POWER connector (VIII.)



AUDIO OUT (VII.) connector



## 5.2.2 Revision History

To check the version of the Easylook Video Assist firmware version press the **PAUSE** (F) + **SPEED** (G) keys simultaneously. The data display shows the actual firmware version of your Easylook Video Assist. To return to normal operation mode press the **STOP** (I) key.

Latest firmware version Q6.02

## 5.3 Declaration of Conformity

**Konformitätserklärung gemäß dem Gesetz über Funkanlagen und Telekommunikationseinrichtungen (FTEG) und der Richtlinie 1999/5/EG (R&TTE)**

*Declaration of Conformity in accordance with the Radio and Telecommunications Equipment Act (FTEG) and Directive 1999/5/EC (R&TTE Directive)*

Hersteller // Manufacturer: Ruge Rent OHG Hamburg Germany

Anschrift // Adress: Ruge Rent OHG  
Rahlau 46  
22045 Hamburg  
Germany

Produktbezeichnung // Name of the product:

Easylook  
Transmitter / Recorder  
Srnr: 1xxx650  
Srnr: 5xxx618  
Srnr: 4xxx618  
Srnr: 6xxx614

Patentnummer des Gerätes // pat.no.: 10 2004 045 593.7-55

Für das oben bezeichnete Produkt wird hiermit bestätigt, dass es den wesentlichen Schutzzanforderungen entspricht, die auf der Grundlage der Direktive 1999/5/EG vom März 1999 (R&TTE Direktive) und in der Niederspannungsrichtlinie (93/68 EWG) festgelegt sind. //

*For the product mentioned above we confirm that it is in compliance with the essential requirements and other provisions of Directives 1999/5/EC from March 1999 (R&TTE Directive) and Low-Voltage Equipment Directive (93/68 EEC)*

Zur Beurteilung des Produktes hinsichtlich elektromagnetischer Verträglichkeit wurden folgende Normen herangezogen: //

To judge the electromagnetic compliance of the product the following standards were used:

-ETS 300 683  
-EN 300 440-2 V1.1.1. (2001-09)

Prüfprotokolle liegen bei dem oben genannten Hersteller vor.//  
*The technical documentation will be held at the manufacturer*

Hamburg 06.08.2006  
*Hamburg, August 6th, 2006*

Rechtsverbindliche Unterschrift://  
*Signature:*



Gert Kappes

Geschäftsführer // Managing Director

Diese Erklärung bescheinigt die Übereinstimmung mit den genannten Richtlinien, beinhaltet jedoch keine Zusicherungen von Eigenschaften. Die Sicherheitshinweise in der mitgelieferten Bedienungsanleitung sind zu beachten. Diese Sicherheitshinweise sind Bestandteil dieser Erklärung.

*This declaration certifies the compliance with the mentioned directives but does not include any guarantee for certain characteristics. The safety instructions in the supplied product manual must be observed. These safety instructions are part of this declaration.*

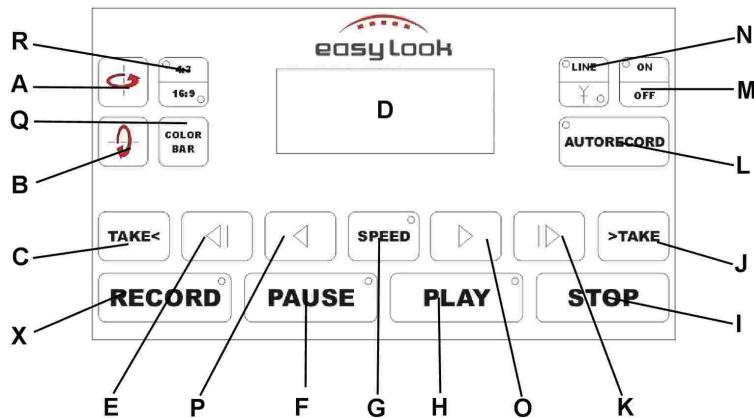
## 5.4 Foreign Language Quick Reference Guide

### 5.4.1 German / Russian



#### Daten Display

- |    |                           |
|----|---------------------------|
| D1 | Wiedergabegeschwindigkeit |
| D2 | Restzeit Festplatte       |
| D3 | Take Nummer               |
| D4 | Funkkanal-Nummer          |
| D5 | Funksignalstärke          |
| D6 | Timecode Anzeige          |
| D7 | Akkuzustand               |
| D8 | Statusanzeige             |
| D9 | Kamerageschwindigkeit     |

**Tastenfunktion**

- |  |   |     |            |
|--|---|-----|------------|
|  | <b>(A)</b> TFT-Bild spiegeln links / rechts   | TFT | /          |
|  | <b>(B)</b> TFT-Bild spiegeln oben / unten   | TFT | /          |
|  | <b>(C)</b> Vorheriger Take  |     |            |
|  | <b>(E)</b> Schnell Zurückspulen   |     |            |
|  | <b>(F)</b> Aufnahme / Wiedergabe Pause  |     | /          |
|  | <b>(G)</b> Geschwindigkeitsvorwahl  |     |            |
|  | <b>(H)</b> Wiedergabe Start   |     |            |
|  | <b>(I)</b> Aufnahme / Wiedergabe Stop   |     | /          |
|  | <b>(J)</b> Nächster Take  |     |            |
|  | <b>(K)</b> Schnell Vorspulen  |     |            |
|  | <b>(L)</b> Autorecord an / aus<br>(wenn aktiviert, schaltet sich ( die Aufzeichnung automatisch ein bzw. aus, wenn die Filmkamera ein- bzw. ausgeschaltet wird) |     | ,          |
|  | <b>(M)</b> Ein- und Ausschalter   |     | ,          |
|  | <b>(N)</b> Funk- / Kabelbetrieb   |     | /          |
|  | <b>(O)</b> Vorgewählte Geschwindigkeit vorwärts   |     | ,          |
|  | <b>(P)</b> Vorgewählte Geschwindigkeit rückwärts  |     | ,          |
|  | <b>(Q)</b> Farbbalken an / aus  |     | /          |
|  | <b>(R)</b> 4:3 / 16:9 Umschaltung   |     | 4:3 - 16/9 |
|  | <b>(X)</b> Aufnahme Start   |     |            |

Doppelfunktionskeypad

-  +  Speichern aller Einstellungen
-  +  Auto. Wiedergabe der Kamerageschwindigkeit
-  +  Umschaltung Videoauflösung
-  +  Akkuanzeige voll kalibrieren
-  +  Anzeigen der Software Version
-  +  Datendisplay heller
-  +  Datendisplay dunkler
-  +  Festplatte löschen

### 5.4.2 Spanish / Chinese

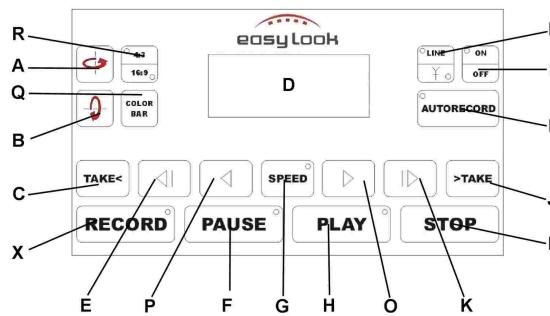


#### Display

- D1 Velocidad de contemplación
- D2 Tiempo restante disco duro
- D3 Número de toma
- D4 Selección de radiocanal
- D5 Intensidad de radioseñal
- D6 Código de tiempo
- D7 estado de acumulador
- D8 Estado operativo
- D9 Velocidad de cámara

#### 显示一览

- 观看速度
- 剩余时间 储存板
- 拍照编号
- 频道-选择
- 电波信号强度
- 时间编码
- 电池状态
- 运转状态
- 照相机速度

Funciones de teclas easylook

- (A) Reflejar imagen TFT izquierda / derecha
- (B) reflejar imagen TFT arriba / abajo
- (C) Toma anterior
- (D) Rebobinar rápido
- (E) Grabación / Reproducción Pausa
- (F) Preselección de velocidad
- (G) Reproducción Inicio
- (H) Grabación / reproducción Stop
- (I) Grabación / reproducción Stop
- (J) Toma siguiente
- (K) Rebobinar rápido
- (L) Autograbación
- (M) Interruptor On/Off
- (N) Cable de entrada de video / antena
- (O) Velocidad preseleccionada hacia delante
- (P) Velocidad preseleccionada hacia atrás
- (Q) Barra de colores On / Off
- (R) 4:3 / 16:9 commutación
- (X) Grabación Inicio

按键功能一览

- TFT-图像反射 左 / 右
- TFT-图像反射 上 / 下
- 前项
- 快速后倒
- 录制 / 播放 暂停
- 定速
- 播放 开始
- 录制 / 播放 停止
- 后项
- 快速后倒
- 自动录制
- 开关
- 录像 有线电视/天线接口
- 设置定速往前
- 设置定速往后
- 彩条 开/关
- 4:3 / 16:9 转换
- 开始录制

Teclado de doble función easylook

- |                         |  |
|-------------------------|--|
| <b>STOP + I&gt;</b>     | Guardar todos los ajustes                        |
| <b>STOP + SPEED</b>     | Reproducción autom. De velocidad de cámara       |
| <b>STOP + &gt;</b>      | Commutación resolución de video                  |
| <b>STOP + &lt;</b>      | Ajustar indicación acumulador lleno              |
| <b>STOP + PAUSE</b>     | Informaciones sobre software y número de aparato |
| <b>STOP + Q</b>         | Display de datos más claro                       |
| <b>STOP + C</b>         | Display de datos más oscuro                      |
| <b>STOP + TAKE &lt;</b> | Borrar disco duro                                |

双功能转换键 一览

- |           |
|-----------|
| 储存所有设置    |
| 相机速度自动显示  |
| 转换 录像分辨率  |
| 电池显示 满 调控 |
| 显示软件和机号   |
| 数据显示 变亮   |
| 数据显示 变暗   |
| 储存板消除     |

# **Part**

---



## 6 Troubleshooting

→ A warm start might be useful if any strange behavior appears during Easylook Video Assist operation. (for more information, see [Warm Start Unit](#))

### 6.1 Unit does not switch on

Exchange the internal battery pack with a fully charged one. Try again.

### 6.2 Unit does not switch off

Turn off the computer by pressing and holding the power key for 5 seconds or more. If the Easylook Video Assist is still not switching off, remove the battery. (for more information, see [Insert/Change Battery Pack](#))

### 6.3 Black TFT Display

If the battery level is running low, the [TFT display](#) is automatically powered down, recording will still continue though. Switch off the Easylook Video Assist and [change battery](#). (for more information, see [Batteries and Charger](#))

### 6.4 No Picture on TFT Monitor and external Monitor

The Easylook Video Assist is probably in standby mode (for more information, see [Standby Mode](#)). To "wake up" the Easylook Video Assist, simply press any key.

### 6.5 No Timecode in Data Display, abnormal Operation

If you switch on the EASYLOOK and no timecode is showing in the display, switch off the Easylook Video Assist, take out the hard disk (for more information, see [Hard Disk Installation](#)) and push it back in firmly

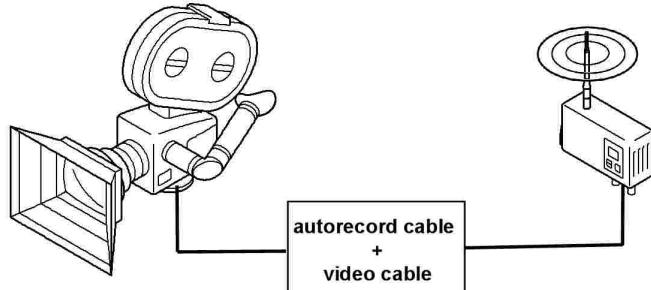
### 6.6 Bad Wireless Video Transmission

If the Easylook Video Assist picks up interference or the picture quality is faulty in wireless mode, the [select a different channel](#) (for more information, see [Antenna / Wireless Operation](#)) on the transmitter and the Easylook Video Assist. Best results are achieved if all antennas are kept vertical and if the transmitting and receiving Easylook Video Assist units are in a clear line of sight to each other.

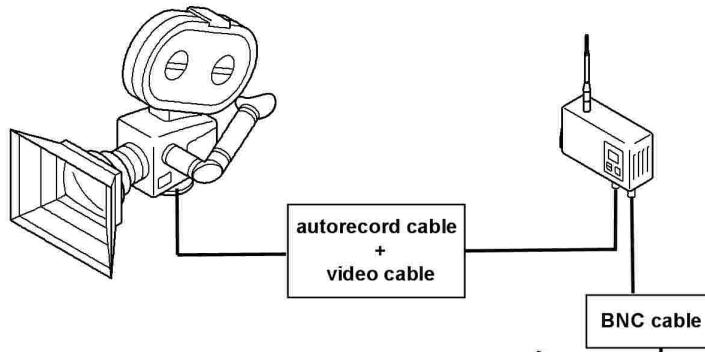
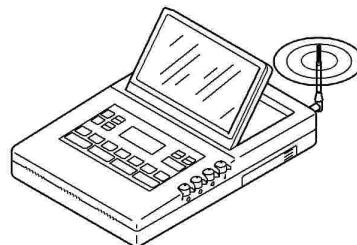
### 6.7 Auto Record Mode Malfunction

Make sure the [read out camera speed option](#) is set to yes. (for more information, see [Playback with camera speed](#)) The auto record function has to be switched on and the autorecord LED has to be lit. (for more information, see [Automatic Recording](#))

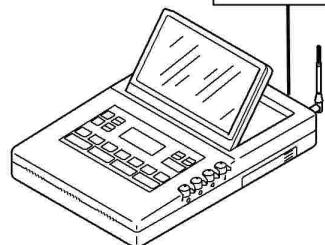
For the proper function of the automatic recording mode it is important to use an Easylook video transmitter ([ES1S-01](#) or [ES1S-02](#)) with the according [autorecord cable](#) for that camera. (for more information, see the [cables](#) section of this manual) In [line mode operation](#) the Easylook Video Assist's VIDEO IN connector must be connected trough the Easylook video transmitter ([ES1S-01](#) or [ES1S-02](#)) with the video source (camera) via BNC cable.



Wireless Mode Operation



Line Mode Operation



## 6.8 Wrong Camera Speeds detected

If the Easylook Video Assist displays wrong camera speeds in the data display (**D9**), you are using a autorecord cable, that does not fit your camera type. Should this cause any inconvenience in Easylook Video Assist operation then disable the camera speed read out function completely:

Press the **STOP** (I) + **SPEED** (G) keys simultaneously on the keypad. The data display reads:

**PLAYBACK WITH CAM SPEED?**

XXX

**PRESS RECORD TO CHANGE  
OR STOP TO ESCAPE**

Now hit the **SPEED** (G) key. The data display reads:

**READ OUT CAM SPEED?**

XXX

**PRESS RECORD TO CHANGE  
OR STOP TO ESCAPE**

Pressing the **RECORD** (D) key toggles between **yes** and **no**, as shown in the data display. Choose **no** and hit the **STOP** (I) key to take over your new setting and to leave the setup menu.

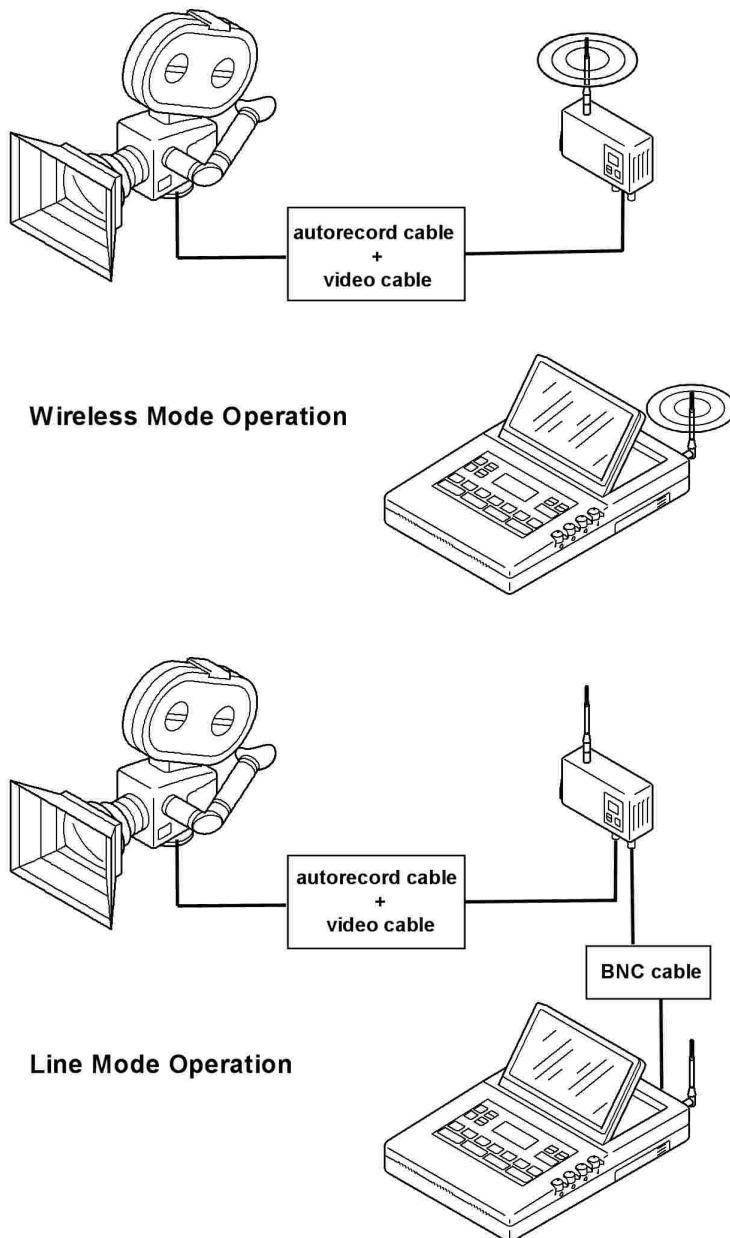
→ For the proper function of the automatic playback speed mode it is important to use an Easylook video transmitter ([ES1S-01](#) or [ES1S-02](#)) with the according [autorecord cable](#) for that camera. (for more information, see the [cable](#) section of this manual) In [line mode](#) the Easylook Video Assist's VIDEO IN connector must be connected trough the Easylook video transmitter ([ES1S-01](#) or [ES1S-02](#)) with the video source (camera) by a BNC cable. (for more information, see [Auto Playback Speed Mode Malfunction](#))

→ Do not forget to enable this function again, when working with another camera type. (for more information, see [Playback with camera speed](#))

## 6.9 Auto Playback Speed Mode Malfunction

Make sure the [automatic speed playback option](#), including the [read out camera speed option](#), are set to **yes**. (for more information, see [Playback with camera speed](#))

For the proper function of the automatic playback speed mode it is important to use an Easylook video transmitter ([ES1S-01](#) or [ES1S-02](#)) with the according [autorecord cable](#) for that camera. (for more information, see the [cables](#) section of this manual, page ) In [line mode operation](#) the Easylook Video Assist's VIDEO IN connector must be connected trough the Easylook video transmitter ([ES1S-01](#) or [ES1S-02](#)) with the video source (camera) via BNC cable.



## 6.10 Battery Status shows wrong Values

If you insert a fully charged battery into the Easylook Video Assist and the battery status indicator (**D7**) does not display 7-8 bars or the Easylook Video Assist turns itself off while the battery status indicator (**D7**) shows more than one bar left of battery charge, then recalibrate the Easylook Video Assist's battery status indicator display (**D7**). (for more information, see [Recalibrate Battery Status Indicator](#))

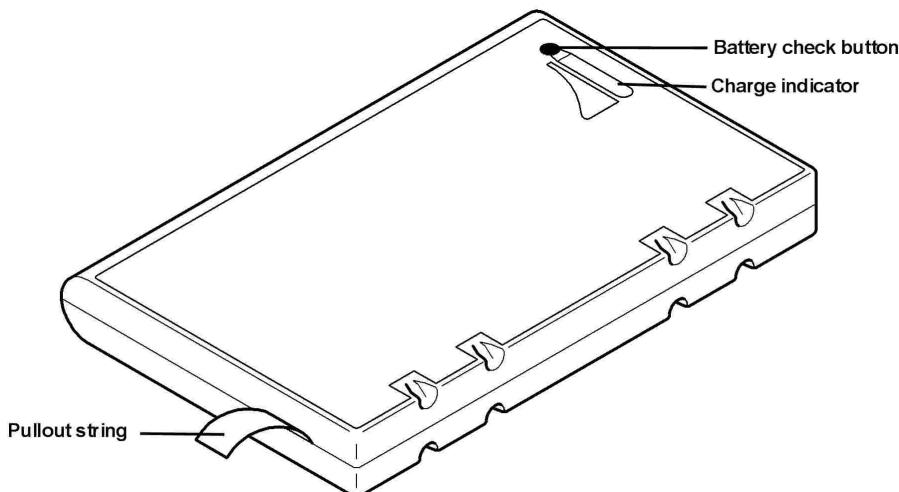
**Part**

**VII**

## 7 Accessories and Customer Replaceable Units

### 7.1 Battery Pack ES01A-04

When a Li-Ion battery pack ES01A-04 is used, the Easylook Video Assist [ES10-01](#) will operate up to 5 hours continuously (3 h hours in constant recording mode). It takes about 3.5 h to charge an empty battery pack ES01A-04. (for more information, see [Battery Charger ES01A-05](#))



To check the charge left on a Li-Ion battery pack ES01A-04 activate the LED battery pack charge indicator by pressing the red circle above battery pack charge indicator.

Technical specifications for Li-Ion battery pack ES01A-04:

Lithium-Ion rechargeable Battery

Nominal voltage: 11,1 V

Capacity: 6,6 AH

! **Caution** !

- Replace the battery pack ES01A-04 only with a battery of the type recommended by Easylook System.
- When you charge the battery pack, its temperature must be at least 10°C (50°F).
- Do not place the battery on or near fires, stoves, or other high-temperature locations and do not heat above 80°C (176°F). Do not place the battery in direct sunshine, or use or store the battery inside cars in hot weather. Doing so may cause the battery to generate heat, rupture or ignite. Using the battery in this manner may also result in a loss of performance and a shortened life expectancy.
- Do not expose it to water or rain.
- Do not disassemble or modify the battery. The battery contains safety and protection devices which, if damaged, may cause the battery to generate heat, rupture or ignite.
- Do not short-circuit it.
- Keep it away from children.

- Do not put the battery pack in trash that is disposed of in landfills. When disposing of the battery, comply with local ordinances or regulations and your company's safety standards.

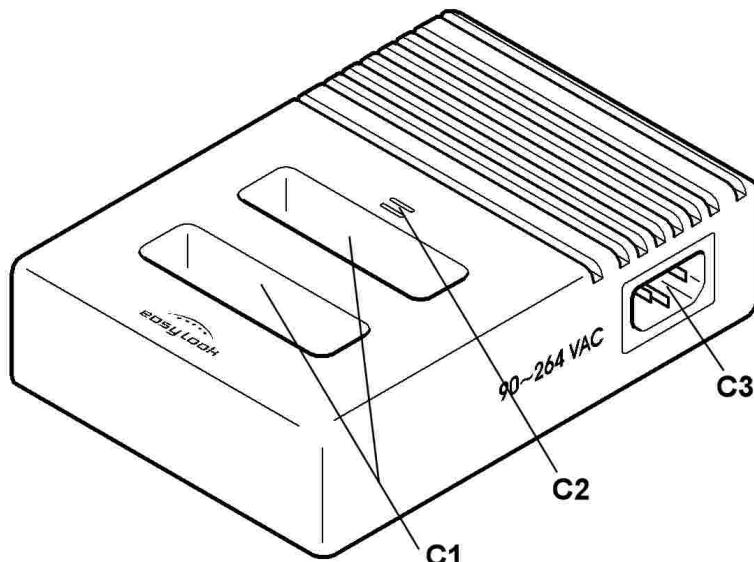
For care and maintenance tips of the Li-Ion battery pack ES01A-04 also check [Care and Maintenance](#)

→ Fully charge a NEW battery Pack ES01A-04 for at least 5 hours before first time use. (for more information, see [Battery Charger ES01A-05](#))

→ A warm battery pack may not be able to be fully charged.

→ There is no need to fully drain the Li-Ion battery back ES01A-04 because there is no voltage depression or memory effect. The batteries need only charging for maintenance and storage.

## 7.2 Battery Charger ES01A-05



C1 - Charging slots

C2 - Charging status LED indicator

C3 - Mains Power connector

To charge a Easylook Video Assist [ES01A-04 battery pack](#), connect the charger ES01A-05 first to mains power supply by connecting the mains lead to the mains power connector (**C3**). Then slide the battery pack in either charging slot (**C1**) on top of the charger. A red LED (**C2**) corresponding to charging slot indicates normal battery charging. The battery is fully charged, as soon as the LED (**C2**) turns solid green.

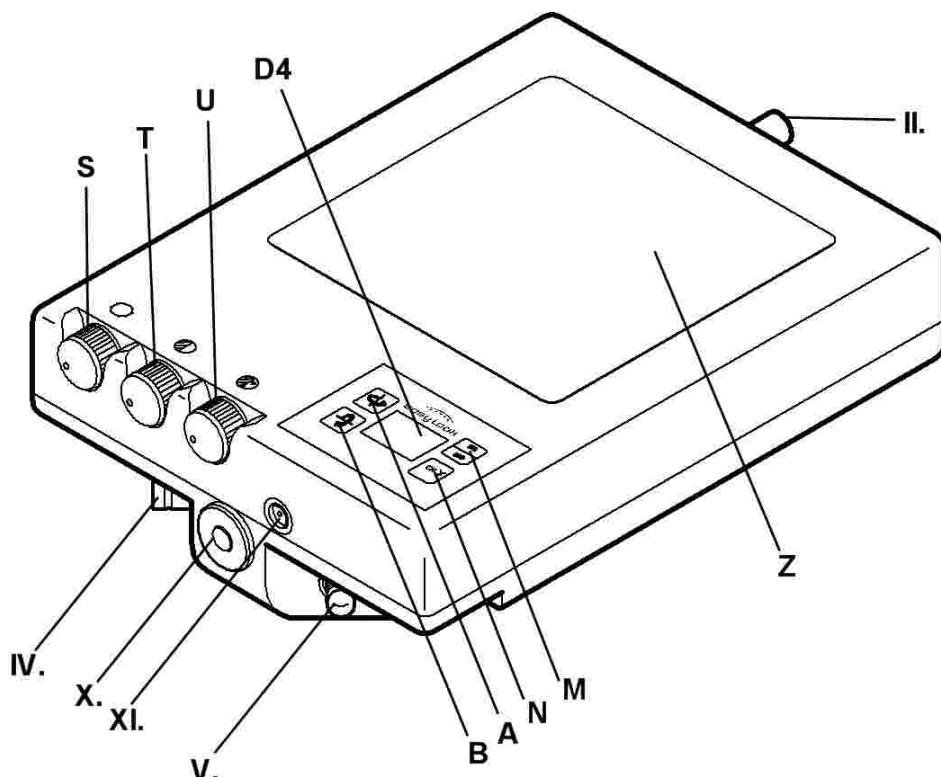
Technical specifications

Voltage 90-250V AC  
Charging Time approx. 3,5 hours per Battery

→ It is possible to put two batteries into the charger, they will be charged one after the other.

### 7.3 Monitor Transmitter ES1S-01

The monitor transmitter ES1S-01 is a wireless video transmitter with an integrated TFT video assist display to be attached to a camera. The intended purpose of the monitor transmitter ES1S-01 is to provide the camera crew with a live video picture while transmitting a wireless video assist signal to the Easylook Video Assist main unit or the single receiver ES01S-04.



**D4 - Wireless channel indicator**

**S - Brightness control**

**T - Contrast control**

**U - Color control**

**Z - TFT display**

**II. Antenna connector**

**IV. Video In (BNC type)**

**V. Video Out (BNC type)**

**X. 1/4 Inch screw adapter**

**XI. Autorecord connector**



on / off (M)

TFT horizontal flip (A)

TFT vertical flip (B)

wireless channel selector (N)

## Setup

Attach the [antenna TR AE01-02](#) to the monitor transmitter ES1S-11. Then fix the monitor transmitter ES1S-01 to the camera using the [bracket arm ES01A-02](#). Connect the video signal source to the video in connector (IV.) of the monitor transmitter ES1S-01 and the compatible autorecord cable for your camera to the autorecord connector (XI.) (for more information, see [Cables](#))  
If you like to transmit the video signal to an external monitor or the Easylook Video Assist main unit connect these units via BNC cable to the video out connector (V.) of the monitor transmitter.  
Alternatively you could use wireless video transmission to the single receiver ES01S-04 or the Easylook Video Assist main unit. For this purpose make sure that the receiving unit and the monitor transmitter ES1S-01 use the same transmitting channel.

### Selecting the transmitting channel

By repeatedly pressing the (N) key it is possible to scroll through the different transmitting channels. The data display (D) monitor of the transmitter ES1S-01 shows the selected channel number.

### Switching off *only* the video transmitter module

By selecting channel 0 it is possible to disable only the video transmitting module of the ES1S-01. The unit itself stays powered on. This is important when the video transmitter ES1S-01 is used in an environment where transmitters are not permitted and you would like to use the [automatic recording](#) or [playback with camera speed](#) function via cable.(for more information, see [Playback with camera speed](#) and [Automatic Recording](#))

### Flipping the picture of the monitor display

Press the (A) key to mirror the picture on the onboard TFT display horizontal.

Press the (B) key to mirror the picture on the onboard TFT display vertical.

### Picture Adjustments

#### Brightness

Use this control (S) to adjust the brightness of the onboard TFT screen.

#### Contrast

Use this control (T) to adjust the contrast of the onboard TFT screen.

**Color Saturation**

Use this control (**U**) to adjust the color of the onboard TFT screen.

→ All adjustments done to the monitor transmitter's TFT display will not show on any external monitor connected to VIDEO OUT (V.) connector. To adjust the picture of any external monitor use the controls on that monitor.

**Switching off the whole monitor transmitter unit ES1S-01**

As soon as the monitor transmitter ES1S-01 is connected to a power source via an autorecord cable it powers up and starts transmitting a video signal. To switch the unit off, press the



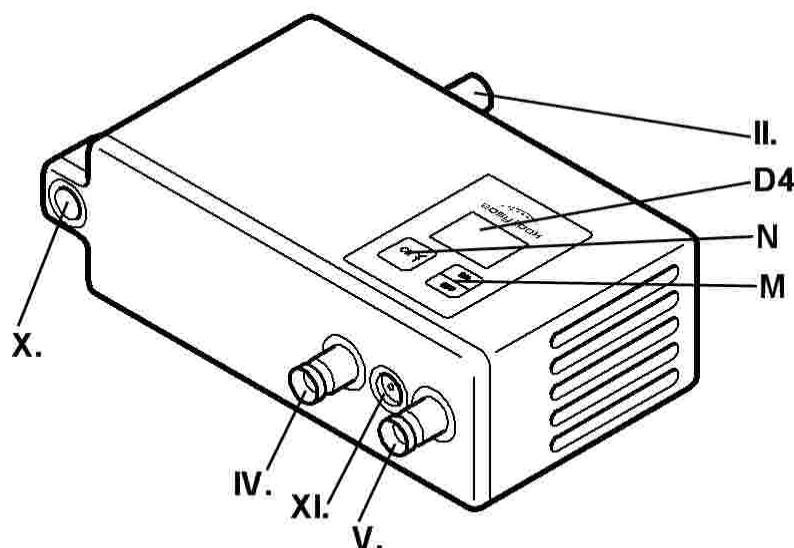
(**M**) key.

→ The monitor transmitter ES1S-01 emits radio frequency electromagnetic energy like other radio devices. However, the level of energy emitted is far much less than the electromagnetic energy emitted by wireless devices like for example mobile phones.

! The TFT monitor is made of glass, and rough handling or dropping the monitor transmitter can cause the TFT display to break. If the TFT display breaks and the internal fluid gets into your eyes or on your hands, immediately wash the affected areas with water for at least 15 minutes; if any symptoms are present after washing, get medical care. !

## 7.4 Video Transmitter ES1S-02

The transmitter ES1S-02 is a wireless video transmitter to be attached to a camera. It transmits the video signal to compatible receiving units. (e.g. single receiver ES01S-04 or an Easylook video assist main unit).



**D4 - Wireless channel indicator**

**II. Antenna Connector**

**IV. Video In (BNC type)**

**V. Video Out (BNC type)**

**X. 1/4 Inch screw adapter**

**XI. Autorecord / Power connector**



**on / off (M)**

**wireless channel selector (N)**

## Setup

Attach the antenna [TR AE01-02](#) to the video transmitter ES1S-02. Fix the transmitter ES1S-02 to the camera using the [bracket arm ES01A-02](#). Connect the video signal source to the video in connector (**IV.**) of the transmitter and the compatible autorecord cable for your camera to the autorecord connector (**XI.**) (for more information, see [Cables](#))

If you like to transmit the video signal to an external monitor or to the Easylook Video Assist main unit connect these units via BNC cable to the video out connector (**V.**) of the transmitter ES1S-02. Alternatively you could use a wireless video transmission to the single receiver ES01S-04 or the Easylook Video Assist main unit. For this purpose make sure that the receiving unit and the monitor transmitter ES1S-01 use the same transmitting channel.

## Selecting the transmitting channel

By repeatedly pressing the (**N**) key it is possible to scroll through the different transmitting channels. The data display (**D**) of the video transmitter ES1S-02 shows the selected channel number.

## Switching off *only* the video transmitter

By selecting channel 0 it is possible to disable only the video transmitting module of the ES1S-02. The unit itself stays powered on. This is important when the video transmitter ES1S-02 is used in an environment where transmitters are not permitted and you would like to use the [automatic recording](#) or [playback with camera speed](#) function via cable.(for more information, see [Playback with camera speed and Automatic Recording](#))

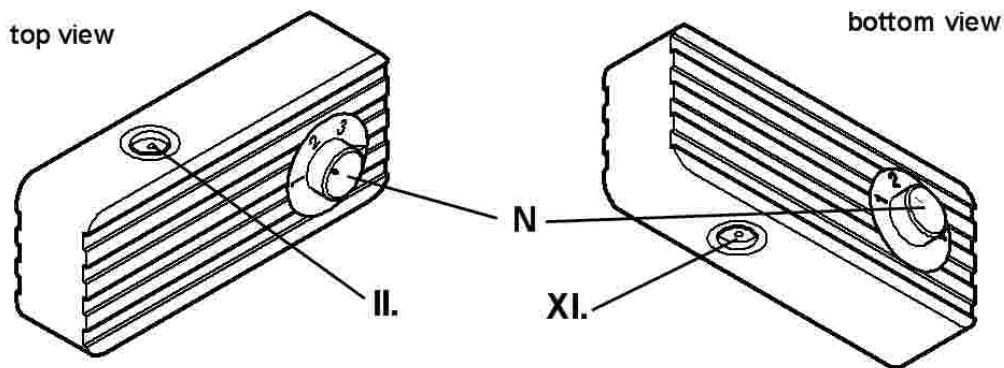
#### **Switching off the *whole* transmitter ES1S-02 unit**

As soon as the transmitter ES1S-02 is connected to a power source via autorecord cable it powers up and starts transmitting a video signal. To switch off the unit, press the  (M) key.

→ *The video transmitter ES1S-02 emits radio frequency electromagnetic energy like other radio devices. However, the level of energy emitted is far much less than the electromagnetic energy emitted by wireless devices like for example mobile phones.*

## **7.5 Micro Transmitter ES1S-11**

The micro transmitter ES1S-11 is a very small and light weight wireless video transmitter to be attached to a camera. It transmits the video signal to compatible receiving units. (e.g. single receiver ES01S-04 or an Easylook video assist main unit). It is the perfect video transmitter for steadicam or handheld camera work.



**(N) wireless channel selector**

**II. Antenna connector**

**XI. Power/Video connector**

#### **Setup**

Attach the [antenna MTR AE01-03](#) to the antenna connector (II.) of the micro transmitter ES1S-11. Then connect the video signal source and the power cable to the Power/Video In connector (XI.) of the transmitter using the according power/video combo cable. (for more information, see [Cables](#)) Make sure that the receiving unit and the micro transmitter ES1S-11 use the same transmitting channel.

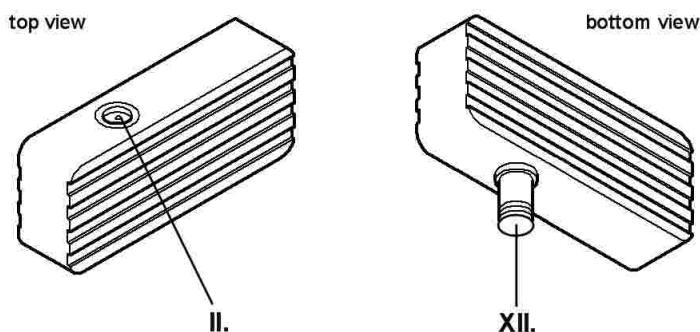
### Selecting the transmitting channel

The micro transmitter ES1S-11 uses 4 different transmitting channels. Simply dial in the desired channel using the wireless channel selector (**N**). There is no need to switch on the micro transmitter MTR AE01-03. It operates as soon as it is powered up.

- *The autorecord function does not work with a video signal transmitted by the micro transmitter ES1S-11. (for more information, see [Automatic Recording](#))*
- *The micro transmitter ES1S-11 emits radio frequency electromagnetic energy like other radio devices. However, the level of energy emitted is far much less than the electromagnetic energy emitted by wireless devices like for example mobile phones.*

## 7.6 Transmission Booster ES1S-12

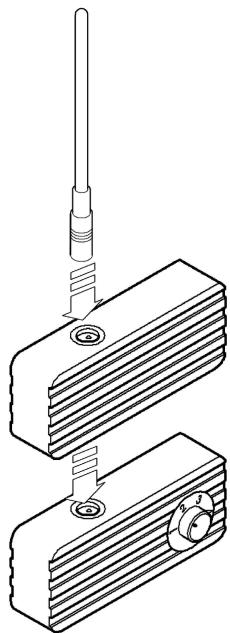
Use the transmission booster ES1S-12 to expand range of coverage of the micro transmitter ES1S-11.



**II.** Antenna Connector  
**XII.** Signal in connector

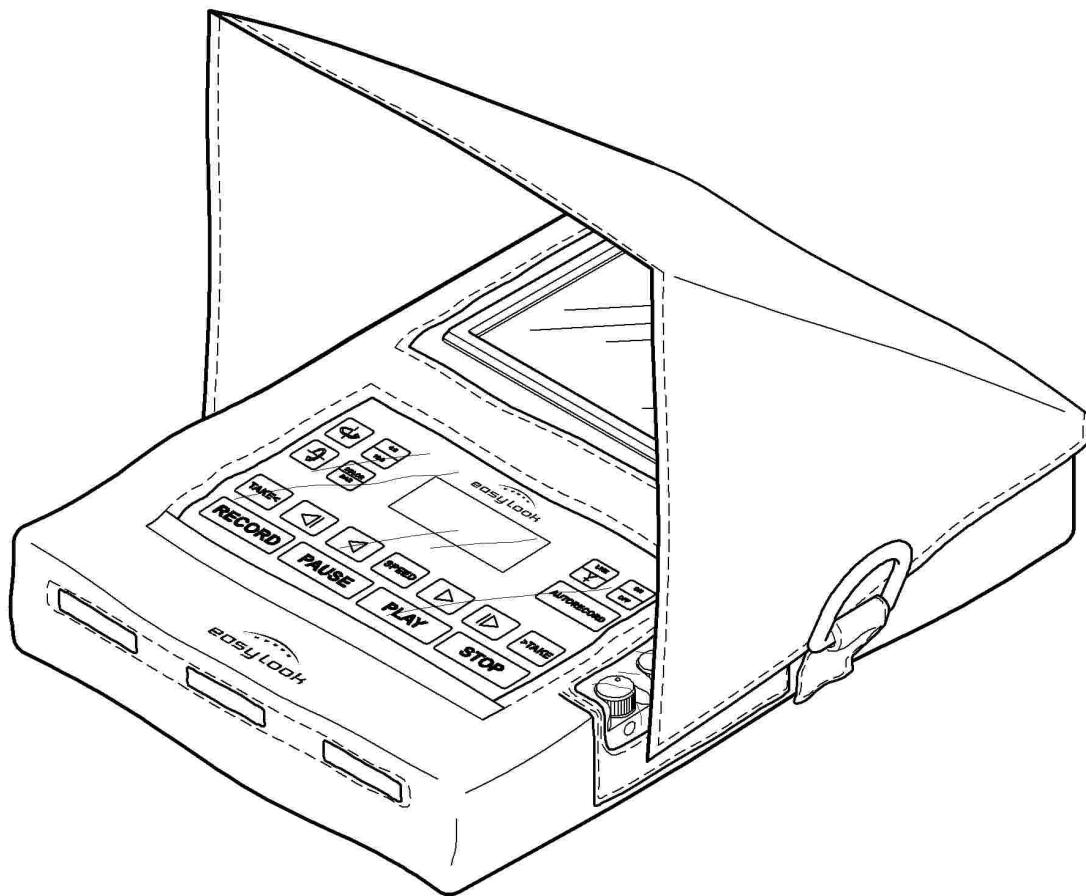
### Setup

Attach the antenna of the micro transmitter MTR AE01-03 to the antenna connector (**II.**) of the transmission booster ES1S-12. Then plug the transmission booster ES1S-12 on top of the micro transmitter ES1S-11 by connecting the antenna connector (**II.**) of the micro transmitter ES1S-11 with the signal in connector (**XII.**) of the transmission booster.



→ *There is no need to switch on the transmission booster. It operates as soon as the micro transmitter MTR AE01-03 is powered up.*

## 7.7 Recorder Bag ES01A-01



Use the recorder bag ES01A-01 to protect the Easylook Video Assist unit from humidity, dust and the TFT display from direct sunlight.

! MAINTAIN good ventilation while using the recorder bag ES01A-01; covering of ventilation slots or holes may cause malfunction.!

## 7.8 Hard Disk ES01A-03

Be careful when handling a hard disk drive ES01A-03. Follow the instructions for installing a new hard drive closely. (for more information, see [Hard Disk Installation](#))

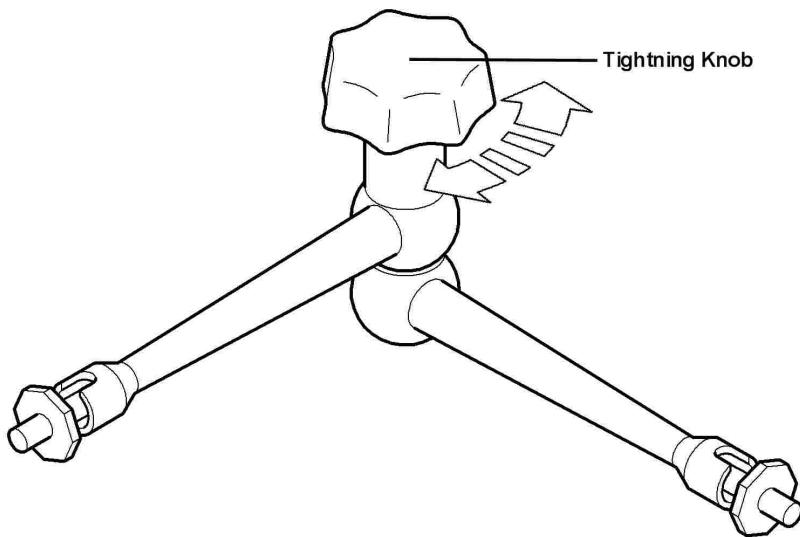
➔ It is necessary to format a new hard disk before the first use. (for more information, see [Hard Disk Formatting](#))

- Do not drop the drive or subject it to physical shocks. Put the drive on a material, such as soft cloth, that absorbs the physical shock.
- Do not apply pressure to the cover of the drive.
- Do not touch the connector.

**! The drive is very sensitive. Incorrect handling can cause damage and permanent loss of data on the hard disk. Never remove the drive while the Easylook Video Assist is operating, in standby mode or not completely switched off. !**

## 7.9 Bracket Arm ES01A-02

Use the bracket arm ES01A-02 to attach accessories to a camera. It allows for quick and easy placement in any position.



The bracket arm ES01A-02 has a 1/4 inch and a 3/4 inch screw on each side. Tightening of the one knob in the middle allows to lock all its joints in the desired position. The 1/4 inch screw attaches to your accessories and the 3/4 inch screw to the camera .

## 7.10 USB Docking Station HDE01-01

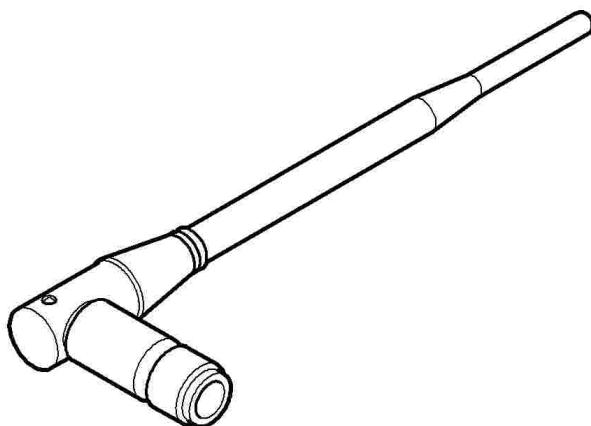
The Easyslook Video Assist USB docking station provides the ability to connect Easyslook Video Assist hard disks to a PC or Apple Computer. The Easyslook USB docking station allows to copy, edit and store video clips recorded on the Easyslook Video Assist on any computer. The video clips will be consecutively numbered and recorded in Quicktime format. Clips with a duration of more than eight minutes will be split into multiple clips. A consecutive sub-number will be added to the file name of those clips. If the camera speed (fps) is read while recording, it will be written to last three digits of the clip's file name.

## 7.11 Antenna

The antennas are screwed or plugged to the according connectors.

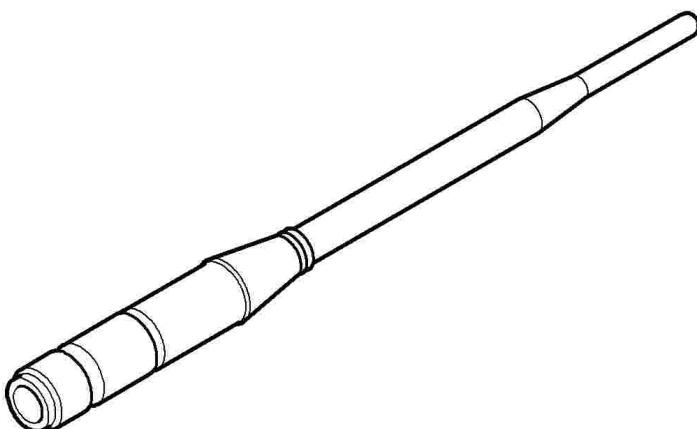
### 7.11.1 Antenna REC AE01-01

90° angled antenna for use with any Easylook Video Assist main unit (ES10-01, ES10-02, ES10-03) and the single receiver ES01S-04



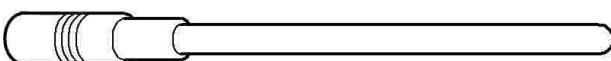
### 7.11.2 Antenna TR AE01-02

Antenna for use with the single receiver ES01S-04, the video transmitter ES1S-02 and the monitor transmitter ES1S-01.



### 7.11.3 Antenna MTR AE01-03

Antenna for use with the micro-transmitter ES1S-11 or the transmission booster ES1S-12.



## 7.12 Cables

### 7.12.1 TR AS 1 CE01-01

3 pin Fischer RS autorecord transmitter cable for Arri cameras

### 7.12.2 TR PS 1 CE01-02

3 pin Fischer RS autorecord transmitter cable for Panavision cameras

### 7.12.3 TR ATS 1 CE01-03

3 pin Fischer RS autorecord transmitter cable for Aaton cameras

### 7.12.4 TR MS 1 CE01-04

4 pin Fischer micro-transmitter cable for Arri IVS video assist (no autorecord function)

### 7.12.5 Video BNC CE02-01

Video BNC cable

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## Resale, disposal



If you sell or otherwise transfer ownership of the video recorder, be sure to hand it over along with these operating instructions. The video recorder contains environmentally harmful substances, so ensure that eventual disposal or scrapping is carried out according to the corresponding rules and legislation in this area. Have defective or unserviceable units and components disposed of by a specialist waste collection organisation, or ensure that they are consigned to your local special refuse facility.

The fluorescent lamp in the TFT contains mercury. Do not put it in trash that is disposed of in landfills. Dispose of it as required by local ordinances or regulations.

## Easylook Video Assist Operation Manual

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Illustrations by Esteban Böhm

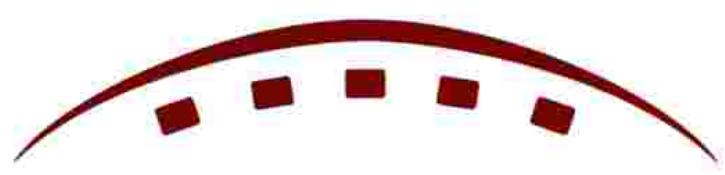
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