

# PSP05



## 5-INCH PROFESSIONAL SERIES PROMPTER ASSEMBLY AND INSTALLATION GUIDE

Autocue and QTV have been serving the broadcast industry since the mid-1950s when QTV in New York and Autocue in London supplied the very first prompters via their rental divisions.

**Creating broadcast history.** The two companies merged in 1984 under Autocue Group and, with the introduction of the QSeries family of software, became the only company to offer the television industry a single solution for all transmission, newsroom, scripting and prompting requirements. QTV forms the Americas division of Autocue Group's prompting sales and rental services.

**Prompter of choice around the globe.** Autocue Group is known worldwide for its service and dependability, serving such prestigious clients as the BBC, Bloomberg, NBC and CNN. The Group's prompting solutions are compatible with all newsroom systems on the market and are in use worldwide by broadcasters, production professionals, government facilities and corporate producers requiring excellence in prompting and newsroom automation solutions.

For further information, please visit either web site shown at the bottom of this page.

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## SECTION 1: Introduction

For the broadcaster, production facility or event organiser requiring greater viewing distances and larger display areas, Autocue prompter display and on-camera units satisfy all your needs.

Autocue on-camera units comprise prompter display, hood, mounting bracket, tripod plate and accessories.

Designed for the most demanding of broadcast environments, Autocue prompter display and on-camera units have crisp, ultra-bright picture quality, precision controls, and rugged construction.

Autocue prompter display and on-camera units are available in a range of configurations to match most camera, lens and mounting combinations.

### 1.1: PSP05



Designed for use with light-weight tripods, hand-held cameras, steadicams and jib arms, the PSP05 combines portability and light weight design with excellent readability. This makes it suitable for non-traditional broadcast sectors, such as production companies, educational institutions, religious broadcasters, and corporate production facilities.

The PSP05 consists of the following features:

- Small wide-angle hood designed specifically for the PSP05.
- Super-lightweight construction.

Multiple mounting options including:

- Gold Plate for tripod or hand-held shoulder grip.
- Roller Plate for tripods.
- Matte Box bar kit for mounting on Steadicam or hand-held ENG cameras.
- Hand-held shoulder grip for DVCAMs and cameras without Matte Box sockets.

A variety of counterbalances and adjustable weights are available to ensure safe and stable operation and movement of mounted equipment.

Where appropriate, Autocue can also provide a range of accessories, such as cue lights and remote controls, to complement your chosen system.

## 1.2: About this guide

This document describes how to assemble and mount your chosen Autocue prompter display or on-camera unit. It is suitable for any broadcaster or news production crew. This guide is suitable for novices as well as expert users of the product line from Autocue.

Reference material is also provided that explains how to adjust the various settings and troubleshoot the prompters to ensure optimum performance.

## 1.3: Copyright information

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## 1.4: Disclaimer

Autocue Group Ltd reserves the right to revise this publication and to make changes in its content without obligation of Autocue Group Ltd to notify any person or persons of such revision.

## SECTION 2: PSP05 Components

The following tables list the supplied and recommended components for your PSP05 on-camera unit.

### 2.1: Supplied equipment

Item Name	Illustration
PSP05 (supplied attached to Small Mounting Bracket)	
Power and video cable	
Gold Plate	

## 2.2: Optional equipment

Item Name	
Medium Wide Angle Hood	 A white, trapezoidal hood with a dark brown border, designed to fit over a projector lens.
Roller Plate	 A black, rectangular metal plate with two silver handles on the top edge and a slot on the bottom edge.

## 2.3: Other equipment as required

Item Name	
Tripod	 A grey and black surveying instrument mounted on a black tripod.

## SECTION 3: PSP05 Technical Specifications

ATTRIBUTE	VALUE
<b>Display size</b>	5.6" (145mm)
<b>Brightness</b>	300 Nits
<b>Resolution</b>	960 x 234
<b>Contrast Ratio</b>	250 : 1
<b>Reading range</b>	2 m (7 ft)
<b>Input signal</b>	Composite 2 x RCA video
<b>Composite standard</b>	NTSC, PAL
<b>Power input</b>	12 V DC (2.1 mm jack)
<b>Power consumption</b>	10W
<b>Display controls</b>	Menu based push button controls
<b>Assembly weight</b>	~ 1.6 kg
<b>Hood options</b>	Small wide-angle
<b>- Glass</b>	70:30 transmission Internal anti-reflective coated
<b>Common mounting options</b>	Gold Plate; Matte Box Bar Kit; Hand-Held Shoulder Grip

## SECTION 4: Assembly Procedures

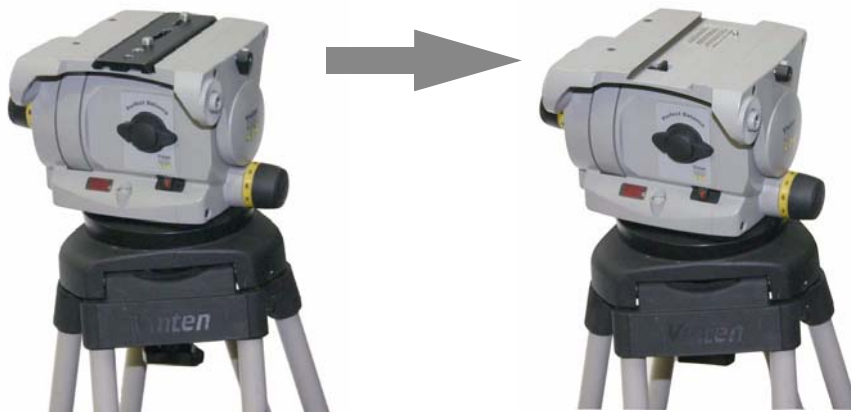
An Autocue On Camera Unit can be used with almost any industry-standard camera and tripod combination. On camera units comprise a tripod head attachment, prompter monitor and hood with integral two-way mirror.

Assembling and mounting your on camera unit involves:

- preparing the mounting plates and brackets
- attaching the prompter monitor
- attaching the hood and glass components
- connecting required cables
- ensuring all connections and fixings are secure.

### 4.1: Tripod head preparation

Autocue on camera units are designed to work with most standard tripods. The first step is to remove the camera mounting plate from the tripod head.



### 4.2: Gold Plate preparation

The Autocue Gold Plate is provided disassembled as illustrated below.

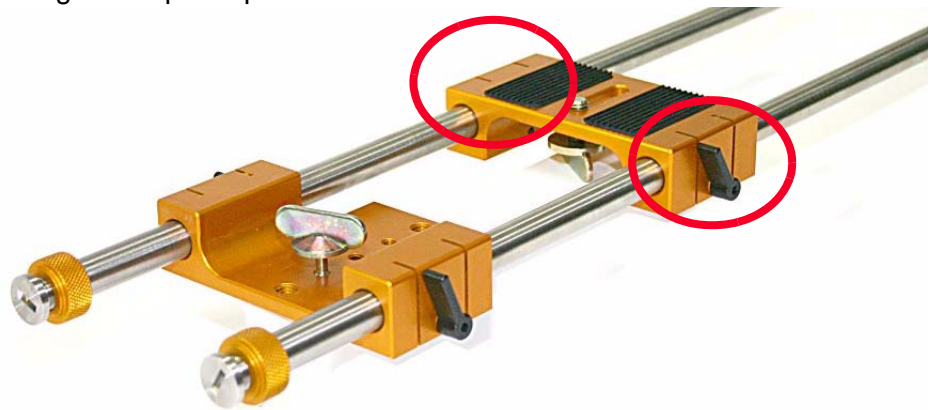


The body of the Gold Plate consists of the mounting slide and the camera carriage. Once the Gold Plate is assembled, it can be attached to a tripod or to a hand-held shoulder grip.

1. Screw the Gold Plate extension bars into the ends of the threaded rods protruding from the camera carriage of the Gold Plate.



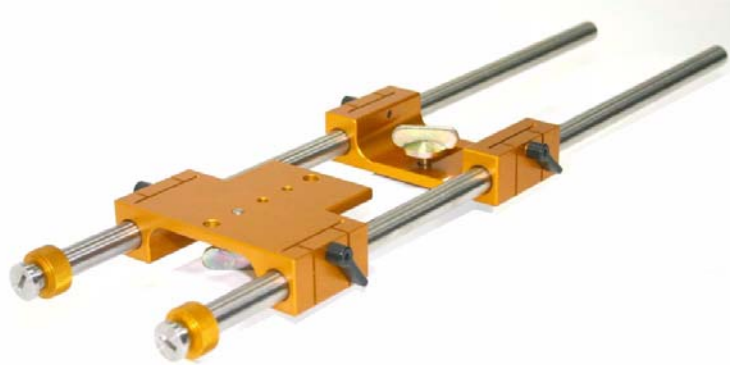
2. Adjust the distance between the camera carriage and the mounting slide. The distance depends on whether the Gold Plate will be attached to a tripod or shoulder mount.
3. Loosen the locking levers on the camera carriage and move the camera carriage to required position.



4. Loosen the locking levers on the mounting slide and move it to the required position.

## 4.2.1: Attach Gold Plate to a tripod

1. Place the Gold Plate on a flat surface with the mounting slide uppermost.



2. Place the tripod camera mounting plate on to the Gold Plate mounting slide.

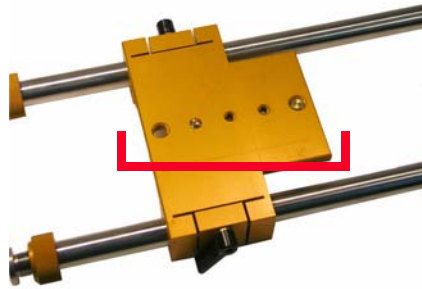


3. Fix the camera mounting plate in place by screwing it to the Gold Plate mounting slide.



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**NOTE:**



Camera mounts vary, but must be only attached using the large or small threaded holes in the Gold Plate mounting slide.

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4. Fix the combined Gold Plate and camera mounting plate to your tripod.



## 4.3: Mount PSP05 on a Gold Plate

The PSP05 is delivered as an assembled unit which is simply attached to whichever tripod mount or shoulder grip you have purchased.



1. Pass the slots of the keyhole plate over the the ends of the Gold Plate mounting rods.



2. Tighten the gold-coloured knurled locking rings to secure the PSP05 in place.



3. Mount your camera on the Gold Plate camera carriage.
4. Adjust the position of the whole assembly on the tripod so that it is correctly balanced.



## SECTION 5: PSP05 Connections

### 5.1: Physical characteristics

The prompter display unit of the Autocue PSP05 is illustrated below.



The PSP05 has function buttons along the lower edge of the unit.

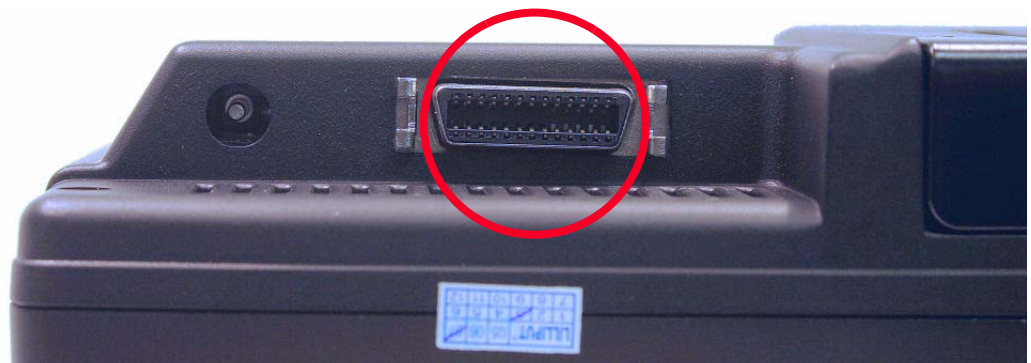
Button	Function
-	Reduce volume or decrease the number of the selected function
+	Reduce volume or decrease the number of the selected function
<	Selection key
<b>Menu</b>	Display the On Screen Displays
>	Selection key and adjust brightness
<b>Input Select</b>	Change input signal between AV and VGA
<b>Power</b>	

The actions of the buttons are described in Section 6: PSP05 Operation.

The connectors on the side of the unit are not used when the display unit is part of a PSP05 from Autocue.

### 5.1.1: Video and power inputs

A video signal and power are supplied to the PSP05 via a mini high-density connector on the base of the unit.



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**NOTE:** The DC 12V socket is not used for a PSP05. Power is supplied via a special connector on the base of the unit.

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## SECTION 6: PSP05 Operation

OSD (On Screen Display) menus are used to configure the prompter display unit and prepare it for displaying scripts.

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**NOTE:** While operating prompter display units, troubleshooting or maintenance tasks may need to be performed on the prompter display unit. For guidance, refer to section 1.

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### 6.1: Connections

Once your PSP05 and camera combination are securely mounted on a tripod or shoulder grip, attach the PSP05 cabling.

1. Ensure you have a power supply and video signal available.
2. Attach the mini high-density connector to the socket on the bottom of the PSP05.



3. Connect the 4-pin XLR socket to the XLR plug from the DC power adaptor that was supplied with your PSP05.



4. Connect the video cable supplying the prompted script information to the BNC.



5. Plug the DC power adaptor into an appropriate power outlet.

**NOTE:** The supplied DC power adaptor is a full-range unit that automatically senses the input voltage.

6. Turn the PSP05 on and make any necessary adjustments using the buttons and on-screen menus to configure the unit.

## 6.2: PSP05 buttons

The buttons on the front of the PSP05 can be used to select the input source, display aspect ratio, channel and volume level.

Button	Action
-	Reduce volume or decrease the number of the selected function
+	Reduce volume or decrease the number of the selected function
<	Selection key
Menu	Display the On Screen Displays
>	Selection key and adjust brightness
Input Select	Change input signal between AV and VGA
Power	

## 6.3: OSD controls

The OSD controls are used to make changes to parameters, perform scaling adjustments and amend other operational settings of your PSP05.

### 6.3.1: Accessing the OSD controls

The Menu button on the front of the PSP05 opens the OSD controls. Twelve control icons are displayed on screen as well as a Reset icon.

The icons control the following parameters:

- Brightness
- Contrast
- Saturation
- Tint
- Sharpness
- Language
- OSD vertical position
- OSD horizontal position
- OSD duration
- Exit OSD

Press the < or > buttons to move the yellow highlight over a control and press the Menu button to select it.

Press the - or + buttons to adjust the value for a control and then press the Menu button to confirm the setting.

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**NOTE:** If no adjustment is made to a control, the OSD will switch off after approximately ten seconds

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## SECTION 7: Troubleshooting and Maintenance

### 7.1: Common problems

The table below lists common problems that may occur during prompter operation. Suggested things to look for are.

Problem	Check...
The power LED of the LCD flat-panel display is not illuminated	if the power switch for the unit is in the ON position
	if the power cord is connected to a working power outlet.
	if the power cord is plugged in to the unit
There is no picture visible	if the power supply receives power and is correctly connected to the display
	if the signal cable is correctly connected to the graphics board or to the video source and display
	if the device is it turned on and set to the correct mode (VGA or video)
	if the display supports the graphics mode of the graphics board (see Technical Specifications)
	if the connectors have any bent pins
	if the brightness and contrast settings in the OSD menu are appropriate
	if the screen saver settings of your system are causing problems
The power LED is red	See previous item #2.
The image is blurred or unstable	if the signal cable is correctly connected
	if the selected graphics mode is correct.
	if the display supports the graphics mode of the graphics board.
	if the resolution of the unit is set to less than 1280 x 1024 at a refresh rate of 60 Hz. (For resolutions lower than this the image is expanded via interpolation which may cause errors. As a result the image may look blurred.)
<i>Alternative suggested remedies:</i>	
	Select "Auto adjust" from the Position menu.

Problem	Check...
	Select the H-Total and Phase functions from the Position menu and change the settings to achieve a sharp and stable image (these settings may have to be repeated when you have selected another graphics mode).
The image is not sized properly or not centered	if the horizontal and vertical image position in the OSD menu is set correctly
	If the selected graphics mode is appropriate
	if the display unit supports the graphics mode of the graphics board
OSD error message: "Signal overrange"	if the selected graphics mode is correct.
	if the display unit supports the graphics mode of the graphics board

For further troubleshooting assistance, refer to our Frequently Asked Questions (FAQ) database on our website: [www.autocue.com](http://www.autocue.com).

## 7.2: Maintenance

### 7.2.1: Cleaning the monitor

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**CAUTION:**                      **Electric Shock Hazard!**

Isolate the prompter display unit and any other devices from any power source before cleaning the display unit surface.

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Regular cleaning will help keep your prompter display unit in good condition.

- As recommended by the manufacturers, use tepid water with a small amount of detergent to clean the glass on the prompter display unit and then leave it to dry naturally.
- Wipe the equipment surface down with a moist cloth; do not allow liquid to enter the equipment.
- Clean the prompter display unit screen with a lint-free, soft cloth. Do not use (glass) cleaning agents or paper tissues for cleaning. In addition, do not clean the glass with abrasive cleaners or dusters, these will scratch the glass coating.
- Wait until all cleaned parts are completely dry before reconnecting the prompter display unit to the power source.

## 7.2.2: Care and handling advice

- Avoid dropping the prompter display unit or any of its individual components.
- Clean the monitor periodically.

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**NOTE:** Do not use abrasive cleaners or dusters when cleaning the monitor.

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- Do not run the prompter for excessively long periods of time. This will cause the operation of the backlight panel to deteriorate, gradually becoming dimmer.
- Do not use in wet weather without a cover.
- Do not expose to sunlight for long periods of time.
- Adjust the mounting bracket to allow clear space between the glass of the hood and the fully-extended camera lens
  - small vibrations may cause scratches
  - contact by the lens may break the glass
- Ensure that the prompter display unit is correctly aligned both horizontally and vertically with the camera
- Ensure that the whole on camera unit is securely fastened and does not sway from side to side.

## SECTION 8: Sales and Support Information

We have been working in live broadcast environments for the past 50 years and understand the importance of efficient and effective hardware and software support.

We provide the latest prompting software builds for free on our website ensuring you continue to benefit from enhancements. Warranties cover all of our hardware products, with an in-house assessment and repair service offered outside of the warranty period.

### Sales information

#### International enquiries

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## Technical support

Our hardware and software support is provided by our own in-house teams.

## Telephone support

We provide 24/7 support for our QSeries and Rental customers, with support for prompting customers available during UK office hours (9am till 6pm GMT) and US office hours (9am till 5pm EST).

## Onsite support

Our Tech Support team also travel to customer sites to install QSeries systems and offer ongoing after-sales support to QSeries customers.

To request technical support please use one or more of the following options.

## International

### Phone.

1. Call the main Autocue number:  
+44 20 8665 2992
2. Select the support option

3. Leave a message including as much detail about the problem as practical.

### **Email.**

1. Send an email to:  
support@autocue.co.uk  
Remember to include as much detail as possible. A phrase such as "Screen blank" makes it difficult for the support staff to diagnose a problem and will delay providing you with an answer.

### **Web site.**

1. Go to [www.autocue.com](http://www.autocue.com)
2. Select "Support" and then "Problem Form" from the menu bar
3. Complete the form and submit it.

## Americas

### **Phone.**

1. Call the main QTV number:  
+1 704 377 1496
2. Select the support option
3. Leave a message including as much detail about the problem as practical.

### **Email.**

1. Send an email to:  
support@qtv.com  
Remember to include as much detail as possible. A phrase such as "Screen blank" makes it difficult for the support staff to diagnose a problem and will delay providing you with an answer.

### **Web site.**

1. Go to [www.qtv.com](http://www.qtv.com)
2. Select "Support" and then "Problem Form" from the menu bar
3. Complete the form and submit it.