MEDILOGIK ems
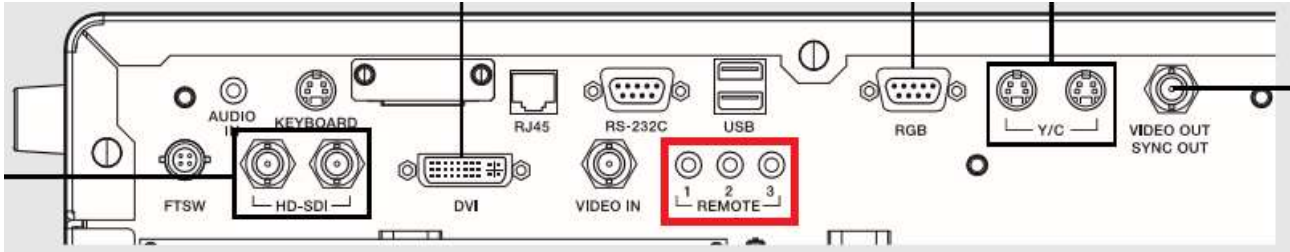# Pentax Trigger Cable Installation Guide

Introduction

This document describes how to set up triggering images from a Pentax scope.

Installing Pentax trigger cable

To install the supplied Pentax trigger cable, you will need to access the back panel of the Pentax processor, locate a set of ports labelled, "REMOTE", see image below.

Once you have located this port, connect the supplied Pentax cable into **REMOTE 2**.

NOTE: By default, you should be able to trigger image capture with making any configuration changes.

Configuring Pentax processor

In order to start triggering image capture via the scope buttons, you will have to access the Olympus configuration settings, here are the settings that need to modified:

1. Ensure that the Pentax processor is switched on
2. Press the "User" key to access the configuration screens
3. Navigation of the menus is managed via cursor "arrow" keys and the use of [Enter] and [Esc].
4. With the user menu open, highlight the entry for "EPK-i7000" and press the right arrow ->
5. Navigate to the "Assign Buttons" option and press the right arrow ->
6. The scope uses a number of buttons to trigger actions. In the particular instance where this problem was raised, the endoscopist used button 1 to "freeze" and button 3 to "Release/Trigger". Whichever button is used to trigger the image, select that button option using the right arrow ->
7. This should then present options for Remote 1, 2 and 3. This replicates the outputs to the rear of the stack shown in the section.
8. Ensure that the outputs for each is set to on by using the right arrow ->
9. Press [Enter] to save the settings and then using [Esc] to back out of the screens
10. Test the output of the trigger using the *EMS Image Capture Test Client* (see next section).

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Testing instructions:

For Windows 7 machines

1. Click on **Start** -> **Programs** -> **EMS – Image Capture Client Tools** -> **EMS Image Capture Test Client**
2. When the test client loads, click on "*Start Preview*"
3. If all has been connected correctly, a real-time image from the scope should appear
4. Using the scope, trigger image capture
5. Click "*Stop Preview*" to end testing

For Windows 10 machines

1. Press the Windows key (⊞ Win)+**S** and the search option should appear
2. Type "**EMS**" and click on the **EMS Image Capture Test Client** when it appears
3. When the test client loads, click on "*Start Preview*"
4. If all has been connected correctly, a real-time image from the scope should appear
5. Using the scope, trigger image capture
6. Click "*Stop Preview*" to end testing

Troubleshooting:

1. If the test client is displaying a black box, then:
   a. Check BNC cables have been correctly reconnected
   b. Check that a scope has been connected and the endoscopy stack is switched on
2. If the test client is displaying an error message, please contact the MEDILOGIK helpdesk with the error on screen

Support contact details:

- **T**: +44(0)1473 351666
- **E:** support@medilogik.co.uk
- www.medilogik.co.uk