



Digital Information Ltd.



## InkzoneMove Press DCx

Automated Track System for EyeOne

HW Installation Manual

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## 1 Product overview

### 1.1 What it does

InkzoneMove Press DCx is used in combination with an X-Rite EyeOne photo spectrometer. The automated track system scans color control bars and connects to software product InkzoneMove Press and/or InkzoneLoop for close loop regulation on a wide range of offset presses.



### 1.2 System requirements

The system requirements are as followed:

#### Hardware

- 2 GHz Pentium IV PC or better
- 1 B RAM, 80 GB free hard disk space
- CD-ROM or DVD-ROM
- 1 available USB port for the dongle InkzoneLoop
- 1 available USB port for the dongle InkzoneMove
- 1 available USB port for the dongle InkzonePerfect
- 1 available COM port, RS-232
- 2 available COM ports for CP2000 connection (only if closed loop control is used for a Heidelberg CP2000 consoles)
- 1x 100/1000 MBit network interface card for prepress connection
- 1x 100/1000 MBit network interface card for press connection
- VGA- compatible graphics card

#### Operating systems

- Windows 2003 Server
- Windows XP Professional
- Windows Vista



## 2 Installation

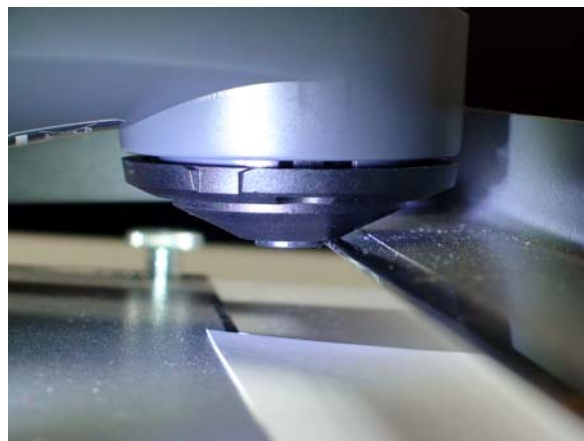
### 2.1 Mounting the EyeOne

Mount carefully the EyeOne device to the track system.

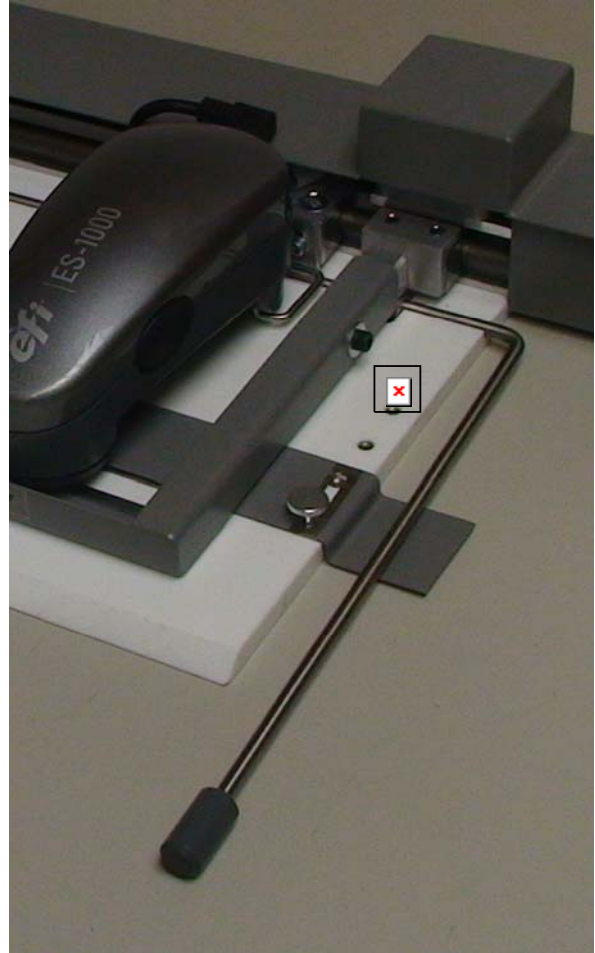


#### 2.1.1 Set the head position

The correctly setup EyeOne head glides on the metal bar like shown on the right.



If necessary, loosen the screw (1) on both sides to adjust the head position.



## 2.2 Connect the cables

### 2.2.1 At the EyeOne

Connect the USB type B connector to the EyeOne.



### 2.2.2 Connect the power adapter

Connect the external power adapter to track system.



### 2.2.3 Connect the USB cable to the PC

Connect the USB cable coming from the track system to the computer. Load the device driver files for the EyeOne with the driver CD from EyeOne device or locate the driver files inside the InkzoneMove installation directory: `"..\Resources\EyeOne driver"`.



### 2.2.4 Connect the serial cable to the PC

Connect the serial cable coming from the track system to the computer.





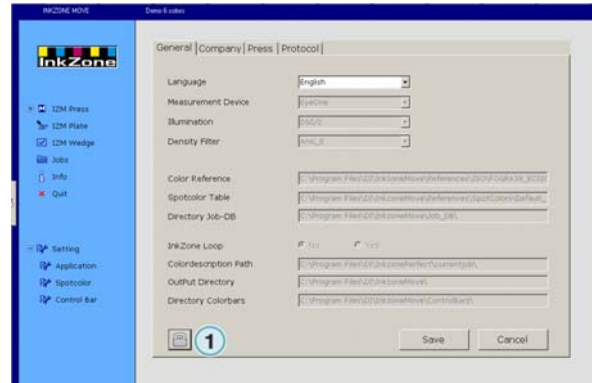


### 3 Software Setup

#### 3.1 Configure IZMove for DCx Track

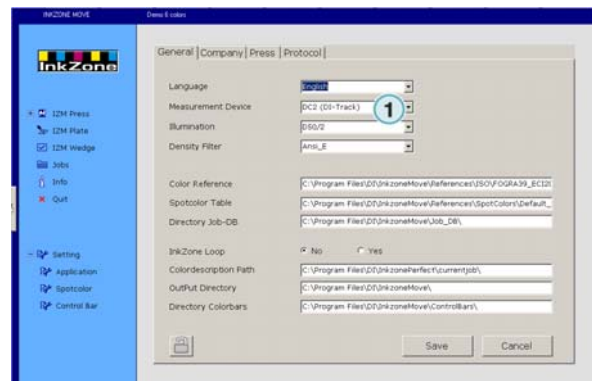
Start the InkzoneMove application and enable the track system from the setup page:

Enable the change mode by selecting the lock button (1).



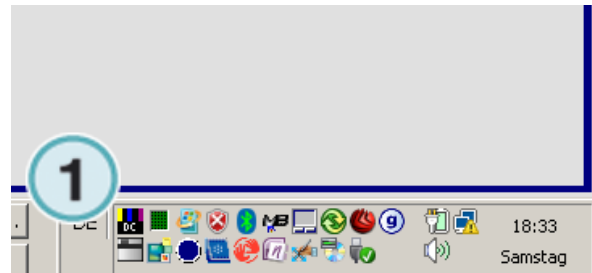
Set the Measurement Device to [DCx (DI-Track)] (1) and press the button [Save].

Restart InkzoneMove.



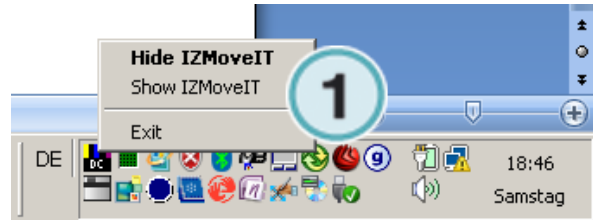
#### 3.2 Control software IZMoveIT

The track is controlled by an application called IZMoveIT which shows up in the program tray in the lower right corner of the Windows screen (1).



### 3.2.1 Open the GUI

With a right mouse click on the IZMoveIT icon in the program tray, a menu comes up. Select from the menu the entry [Show IZMoveIT] (1) to access the configuration window.

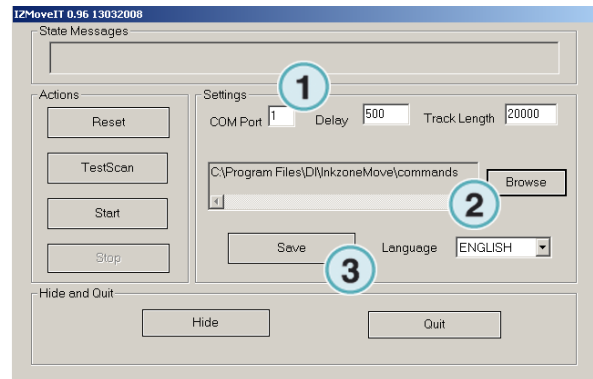


### 3.2.2 Configure IZMoveIT

Select in the configuration window the serial COM port to where the track is connected (1).

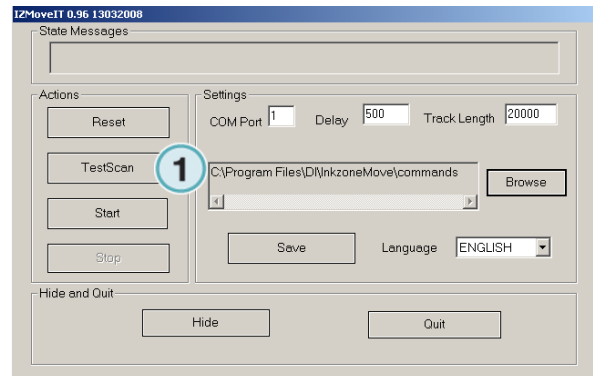
Select the hotfolder for the command files which are created by InkzoneMove to drive the track system. The hotfolder is a subfolder of the InkzoneMove program installation path called [..\InkZoneMove\commands] (2).

Use the button [Save] to store the settings (3).



### 3.2.3 Test the DCx track

When the USB, the serial and the power cable are connected, a first test can be done. Press the button [TestScan] (1). The EyeOne will move to the most left position on the track and then returns to the zero position.

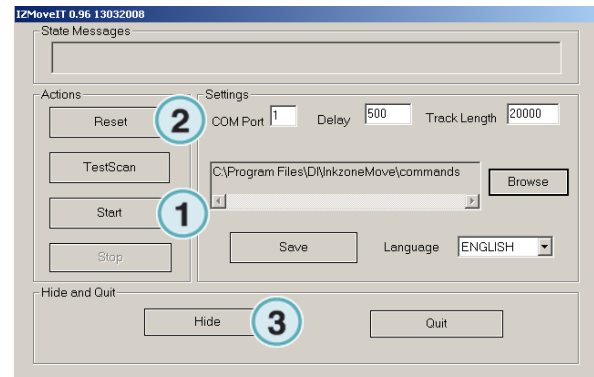


### 3.2.4 Start the hotfolder mode

IZMoveIT runs after the startup automatically in hotfolder mode. After a configuration setup, the hotfolder mode is started by pressing the button [Start] (1).

A reset command is sent to the track with the button [Reset] (2). The EyeOne goes back to the zero position.

The button [Hide] (3) minimizes the program to the program tray. The minimized appearance is the program default after a system start.





## 4 Track Usage

### 4.1.1 White base EyeOne calibration

On the zero position on the track (1), the white base calibration is done. The calibration is executed during the startup of InkzoneMove.

Additionally, InkzoneMove instructs automatically the track system to move to the zero position for a white base calibration every 45 minutes.



### 4.1.2 Paper white calibration

Before starting with a scan measurement, the paper white needs to be measured. Place the paper under the paper white indicator (1) and execute the measurement from InkzoneLoop or from InkzoneMove. The EyeOne will travel to position (1), measures the paper white and then moves back to the zero position.



### 4.1.3 Load a sheet for scanning

Lift the paper holder (1) and place a sheet underneath.



Lower the paper holder and place the right paper edge between the marker (1) and (2).

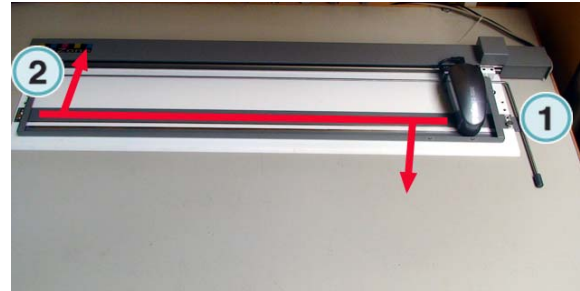


Start the scan from InkzoneLoop or from InkzoneMove.



#### 4.1.4 Adjustment colorbar position

The metal bar can be adjusted by loosening the screws (1) and (2) to fit the colorbar location on the sheet.



#### 4.1.5 Plane console surface

To ensure valid measurement data, it's mandatory to check the console surface. The surface should be as plane as possible.

For example, if the surface “hangs through” in the center, the device will have the same “hang through”.

