

Training plan 2010

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Product Training Projectors

Aim of the workshop:

Within this 1 day seminar a small group of participants (max. 12 persons) will be familiarised with the LANG rental fleet projectors. This seminar will NOT be a detailed study of the users' manual but will demonstrate the features and the picture quality of the units will explain configurations and will present fields of application.

Topics of the workshop:

- **Basics**
 - LCD versus DLP
 - 1Chip DLP versus 3Chip DLP
- **Products**
 - Christie LCD Projectors
 - Barco CLM, SLM, FLM, XLM Projectors
 - Digital Projection Lightning and Highlite Series
 - Panasonic Projectors from Series 5-, 6-, 7-, 10- (new) and 12-; Rental frame

Target group:

- Sales and rental staff, all who want to know WHAT a device can do but not necessarily HOW.

Qualifications:

- Basic knowledge of common video and projection technique
- General curiosity, good comprehensions skills

Duration:	1 day from 9:00h to 17:00h
Trainers:	Reimund Piechota and Peter Mathia, LANG AG
Number of participants:	Maximum 12 persons
NEW Location:	LANG ACADEMY
Date:	The date will be set upon request after agreement with the trainer
Name of the workshop:	e-PROD-PJ
Registration:	via e-mail training@lang-ag.com or via telephone 0049 / (0)2266-4764-0.

Barco DLP Projectors CLM HD8 / CLM R10+ / SLM R12+ / FLM HD20 / FLM R22+ / XLM HD30

Aim of the workshop:

Within this 1 day workshop, a small group of participants (max. 8 people) will learn the confident handling and features of these products. The handling concerning the mechanical installation and signal configuration will be explained with a good mix of theory and practice.

Topics of the workshop:

- CLM R10+, CLM HD8
- SLM R12+
- FLM R22+, FLM HD20
- XLM HD30
- Available lenses
- Soft edge, keystone correction, signal measurement
- Stereo projection with INFITEC (FLM/XLM) and pol filter (all)
- Warping (FLM Series)
- Wireless and wired remote
- Internals of the equipment:
 - Lamp exchange and transportation
 - Cooling concept
 - Block diagram, localisation of the electronic and mechanical components
- Maintenance
- Q&A

Target group:

- Event engineers - Projection

Qualifications:

- Basic knowledge of the projection technology and video – data technology

Duration: 1 day from 9:00h to 17:00h

Trainer: Peter Mathia, LANG AG

Number of participants: Maximum 8 persons

NEW Location: LANG ACADEMY

Date: The date will be set upon request after agreement with the trainer

Name of the workshop: e-PRO-BAR

Registration: via e-mail training@lang-ag.com
or via telephone 0049 / (0)2266-4764-0.

Panasonic DLP Projectors PT-D6000/ DW6300/DZ6710, PT-D10000 / PT-DW10000 / PT-D12000 / PT-DZ12000, PT-DZ10H

Aim of the workshop:

Within this 1 day workshop, a small group of participants (max. 8 people) will learn the confident handling and features of these products. The handling concerning the planning, mechanical installation and signal configuration will be explained with a good mix of theory and practice.

Topics of the workshop:

PT-D6000 / DW6300/ DZ6710: 1 Chip/Dual Lamp XGA / WUXGA DLP
PT-D10000 / PT-DW10000,
PT-D12000 / PT-DZ12000: 3 Chip Quad Lamp SXGA+ / WUXGA DLP
NEW: a surprise for you!
Available lenses, Rental Frame
3 and 7 pole colour matching
AC-UHP lamps, soft edge, keystone correction, blanking
Optional input boards
Warp function at PT-DZ6710 and PT-D/DZ12000
Remote control via RS232 and LAN
Internals of the equipment:
Lamp exchange, cooling concept
Block diagram, localisation of the electronic and mechanical components
Maintenance
Q&A

Target group:

- Event engineers - projection

Qualifications:

- Basic knowledge of the projection technology and video – data technology

Duration:

1 day from 9:00h to 17:00h

Trainer:

Reimund Piechota, LANG AG

Number of participants:

Maximum 8 persons

NEW Location:

LANG ACADEMY

Date:

The date will be set upon request after agreement with the trainer

Name of the workshop:

e-PRO-PAN

Registration:

via e-mail training@lang-ag.com
or via telephone 0049 / (0)2266-4764-0.

Digital Projection DLP Projectors Lightning 30 sx / 35HD / 40HD, HIGHlite HL12000Dsx+

Aim of the workshop:

Within this 1 day workshop, a small group of participants (max. 8 people) will learn the confident handling and features of these products. The handling concerning mechanical installation and signal configuration will be explained with a good mix of theory and practice.

Topics of the workshop:

Lightning 30SX, Lightning 35HD, Lightning 40HD
HIGHlite HL12000Dsx+ including warp function
Available lenses
SBC Computer
Web Browser Interface
Lens Calibration
Internals of the equipment:
Lamp exchange
Cooling concept
Block diagram, localisation of the electronic and mechanical components
Maintenance
Q&A

Target group:

- Event engineers - projection

Qualifications:

- Basic knowledge of the projection technology and video – data technology

Duration:

1 day from 9:00h to 17:00h

Trainer:

Reimund Piechota, LANG AG

Number of participants:

Maximum 8 persons

NEW Location:

LANG ACADEMY

Date:

The date will be set upon request after agreement with the trainer

Name of the workshop:

e-PRO-DPI

Registration:

via e-mail training@lang-ag.com
or via telephone +49 2266 47640.

NEW: Extra Practice Day for Panasonic & Barco Projectors

Aim of the workshop:

Still feeling insecure? Within this 1 practice day the participants of the Panasonic and Barco Projectors seminars have the opportunity to apply practically the theoretic knowledge gained in the previous workshops. The trainers are available for questions, but the main purpose is that the participants work independently in solving the practical challenges.

Topics of the workshop:

Panasonic PT-D6000 / DZ6710: 1 Chip / Dual Lamp XGA / WUXGA DLP
Panasonic PT-D / DW10000, PT-D / DZ12000: 3 Chip Quad Lamp SXGA+/ WUXGA DLP
NEW: a surprise for you!
Barco CLM R10+, CLM HD8
Barco SLM R12+
Barco FLM R22+, FLM HD20
Barco XLM HD30

Target group:

- Participants of the Panasonic and Barco Projectors workshop

Qualifications:

- Knowledge of the Panasonic and Barco Projectors

Duration:

1 day from 9:00h to 17:00h

Trainers:

Reimund Piechota, Peter Mathia, LANG AG

Number of participants:

Maximum 12 persons

NEW Location:

LANG ACADEMY

Date:

The date will be set upon request after agreement with the trainer

Name of the workshop:

e-PRO-PRAX

Registration:

via e-mail training@lang-ag.com
or via telephone 0049 / (0)2266-4764-0.

Warping

Aim of the workshop:

Within this 1 day workshop a small group of participants (max. 8 persons) will learn the handling of the Christie Cine IPM2K processor with integrated TWIST board and of the Barco screen shaper VMS-100. Hereafter, a projection on a curved surface should not be a problem anymore.

Notice:

The integrated warp functions of the Panasonic projectors PT-DZ6710, PT-D12000 and PT-DZ12000 as well as of the Barco FLM R22+, FLM-HD20 projectors and Digital Projection/HL12000Dsx+ will be intensively treated in the respective seminars.

Topics of the workshop:

CinelPM2k

- Input and output interface
- On screen menu
- Shading adjustment
- Twist Board
- Latency adjustments
- Blending, Masking, Warping
- Twist Basic Software

Barco Folsom screen shaper VMS100

- Warping Mode, Rotation Mode, Specification
- Calibration Software

Target group:

- Event engineers who want to fill knowledge voids in the warp basics and also get a market overview of the actual warping products

Qualifications:

- Basic knowledge of the projection technology and video – data technology

Duration:	1 day from 9:00h to 17:00h
Trainers:	Paul Puschmann & Hubertus Beckmann, LANG AG
Number of participants:	Maximum 8 persons
NEW Location:	LANG ACADEMY
Date:	The date will be set upon request after agreement with the trainer
Name of the workshop:	e-WARP
Registration:	via e-mail training@lang-ag.com or via telephone 0049 / (0)2266-4764-0

Product Training LED

Aim of the workshop:

Within this 1 day seminar a small group of participants (max. 12 persons) will be familiarised with the LANG rental fleet LED components. This seminar will NOT be a detailed study of the users' manual but will demonstrate the features and the picture quality of the units will explain configurations and will present fields of application

Topics of the workshop:

- Pixel pitch versus viewing distance
- Barco NX6, iLite6XP, OLite510, Mitrix, FLX including all mechanical accessories
- Diamond Vision AVL-IDT4 und IDT6 including all mechanical accessories
- Inspire m25b
- Moving Head “**Janus 25**” with LED light and LED video side
- Display dimension, aspect ratio
- Weight, power consumption
- Calculation of the set-up time

Target group:

- Sales and rental and planner staff, all who want to know WHAT a device can do but not necessarily HOW

Qualifications:

- Basic knowledge of general video technique
- General curiosity, good comprehensions skills

Duration:

1 day from 9:00h to 17:00h

Trainers: LANG AG

Christian Czimny, Frank Bellinghausen

Number of participants:

Maximum 12 persons

NEW Location:

LANG ACADEMY

Date:

The date will be set upon request after agreement with the trainer

Name of the workshop:

e-PROD-LED

Registration:

via e-mail training@lang-ag.com
or via telephone 0049 / (0)2266-4764-

Diamond Vision AVL IDT 4,00 mm & 6,00 mm LED

Aim of the workshop:

Within this 2 days workshop, a small group of participants (max. 8 people) will learn the particularities of these products. The handling concerning mechanical installation and signal configuration will be explained with a good mix of theory and practice.

Topics of the workshop:

Controller XDC 5000
Hanging
Standing
Cabling concept
RGB progressive 14 Bit contrast, 6 Bit brightness
Signal runtime
Mapping of 6 SDI signals in 1 x HDSDI, HD-Box
NEW: latency minimizing at 40ms
Block diagram, localisation of the electronic and mechanical components
Maintenance
Q&A

Target group:

- Event engineers - LED

Qualifications:

- Basic knowledge of the video – data technology

Duration:

2 days; each from 9:00h to 17:00h

Trainers:

Christian Czimny, Frank Bellinghausen LANG AG

Number of participants:

Maximum 8 persons

NEW Location:

LANG ACADEMY

Date:

The date will be set upon request after agreement with the trainer

Name of the workshop:

e-LED-DIA4+6mm

Registration:

via e-mail training@lang-ag.com
or via telephone 0049 / (0)2266-4764-0.

Barco NX6, iLite 6XP , OLite 510 & Mitrix LED

Aim of the workshop:

Within this 2 days workshop, a small group of participants (max. 8 people) will learn the features and confident handling of these products. The handling concerning mechanical installation and signal configuration will be explained with a good mix of theory and practice.

Topics of the workshop:

- LED processor D320PL & LEDPro
- LED processor DX-700
- NEW:** NX-6 including rental frame
- iLite6XP
- OLite510 as video wall and in a creative application
- Mitrix creative LED
- FLX-24 transformable LED
- Director toolset
- Hanging / standing accessories
- Cabling concept
- Digitizer and LED module offset over optical fiber transmitter / receiver solution
- Colour and brightness measurements with colorimeter Photoresearch PR650
- Block diagram, localisation of the electronic and mechanical components
- Maintenance
- Q&A

Target group:

- Event engineers - LED

Qualifications:

- Basic knowledge of the video – data technology

Duration:	2 days; each from 9:00h to 17:00h
Trainers:	Christian Czimny, Frank Bellinghausen LANG AG
Number of participants:	Maximum 8 persons
NEW Location:	LANG ACADEMY
Date:	The date will be set upon request after agreement with the trainer
Name of the workshop:	e-LED-BARCO
Registration:	via e-mail training@lang-ag.com or via telephone 0049 / (0)2266-4764-0.

Creative LED: FLX24, INSPIRE m25b, Move Head JANUS 25, Mitrix & OLite 510

Aim of the workshop:

Within this 1 day workshop, a small group of participants (max. 8 people) will learn the features and confident handling of these products. The handling concerning mechanical installation and signal configuration will be explained with a good mix of theory and practice.

Topics of the workshop:

INSIPRE m25b
Move Head JANUS 25

BARCO:

FLX-24, transformable LED
OLite510 as video wall and in a creative application
Mitrix creative LED
LED processor D320PL & LEDPro
LED processor DX-700
Director toolset
Hanging / standing accessories
Cabling concept
Q&A

Target group:

- Event engineers - LED

Qualifications:

- Basic knowledge of the video – data technology

Duration:

1 day from 9:00h to 17:00h

Trainers:

Christian Czimny, Frank Bellinghausen
LANG AG

Number of participants:

Maximum 8 persons

NEW Location:

LANG ACADEMY

Date:

The date will be set upon request after agreement with the trainer

Name of the workshop:

e-LED-CREATIVE

Registration:

via e-mail training@lang-ag.com
or via telephone 0049 / (0)2266-4764-0.

Product Training Video

Aim of the workshop:

Within this 1 day seminar a small group of participants (max. 12 persons) will be familiarised with the standard products of the event video technique. This seminar will NOT be a detailed study of the user's manual but will demonstrate the features of the units will explain configurations and will present fields of application.

Topics of the workshop:

Recorder / Player:

- XDCAM HD: Sony PDW-F75
- Rosendahl Bonsai HDD recorder/player
- DVS Pronto
- GrassValley Turbo iDDR vs T2 iDDR

Studio cameras:

- SDTV camera set DXC-D50 versus HDTV camera set Sony HDC1500& HXC100

Video Mixer:

- Sony MFS2000
- Panasonic AV-HS400 & AV-HS450
- Barco FSN150 multi format mixer

Seamless Switcher:

- Barco ScreenPro II and Encore versus DCS200 with RPC-200

Target group:

- Sales and rental staff, all who want to know WHAT a device can do but not necessarily HOW.

Qualifications:

- Basic knowledge of general video technique
- General curiosity, good comprehensions skills

Duration:

1 day from 9:00h to 17:00h

Trainers:

Hubertus Beckmann & Sven Wohlgemuth, LANG AG

Number of participants:

Maximum 12 persons

NEW Location:

LANG ACADEMY

Date:

The date will be set upon request after agreement with the trainer

Name of the workshop:

e-PROD-VID

Registration:

via e-mail training@lang-ag.com
or via telephone 0049 / (0)2266-4764-0.

Studio Camera Technique SDTV / HDTV

Aim of the workshop:

Within this 1 day seminar a small group of participants (max. 8 persons) will be familiarised with the basics of the professional studio camera technique. By means of actual products a typical camera and front of house equipment will be set-up, calibrated and set into operation.

Topics of the workshop:

Camera technique:

Sony DXC-D50WSPL (SDTV) & HDC1500 (HDTV), HXC-100
Basic set-up of a 3 chip CCD camera
Digital signal processing
Definition of following terms: Black Clip, White Clip, Knee, Autoknee, Kneeslope, Gamma. Detail, Shading, Black Stretch, Blemish compensation
Adjustment of the stand
Tally; Intercom
Genlock
Flange back adjustment
Measuring with waveform monitor, vectorscope, test charts
Q&A

Target group:

- Event engineers

Qualifications:

- Basic knowledge of general video and electro technique

Duration:

1 day from 9:00h to 17:00h

Trainer:

Hubertus Beckmann, LANG AG

Number of participants:

Maximum 8 persons

NEW Location:

LANG ACADEMY

Date:

The date will be set upon request after agreement with the trainer

Name of the workshop:

e-BAS-KAM

Registration:

via e-mail training@lang-ag.com
or via telephone 0049 / (0)2266-4764-0.

Video Mixer Technique SDTV / HDTV

Aim of the workshop:

Within this 1 day seminar a small group of participants (max. 8 persons) will be familiarised with the basics of the professional video mixer technique. By means of actual products a typical video front of house equipment will be set-up, calibrated and set into operation.

Topics of the workshop:

Video Mixer Technique:

Panasonic AV-HS400 & **NEW**: AV-HS450
Sony MFS2000
Miranda Kaleido Alto HD vs Alto X16
Barco FSN 150 including DVE-, Multiviewer-, Universal Output Option
Basic set-up of a digital video mixer
Basics: YUV vs. SDI vs. HDSDI
Definition of terms: Mix/ Wipe, Down Stream Key, Luma Key, Chroma Key
Frame Stores
Tally; Genlock
Q&A

Target group:

- Event engineers

Qualifications:

- Basic knowledge of general video and electro technique

Duration:

1 day from 9:00h to 17:00h

Trainer:

Sven Wohlgemuth, LANG AG

Number of participants:

Maximum 8 persons

NEW Location:

LANG ACADEMY

Date:

The date will be set upon request after agreement with the trainer

Name of the workshop:

e-BAS-VID

Registration:

via e-mail training@lang-ag.com
or via telephone 0049 / (0)2266-4764-0.

Encore Presentation System –Intensive User Course

Aim of the workshop:

Within this 2 days workshop, a small group of participants (max. 8 people) will learn the confident handling of the Encore System, the Screen Pro II with Screen Pro II Controller, the BlendPro II and the DCS200. Hereafter, customer consulting, planning, commissioning and live controlling should not be a problem anymore.

Topics of the workshop:

Presentation of the system concept and the single components
Necessity of an upstream router
Working with up to 6 mixer effect boards
Configuration: from total reset to wide screen soft edge
Working with the controller: presets, moves and everything else.
Demonstration of new features:
Shaped Pips; Chroma Key, Luma Key
Downstream Key / Frame Grabber ; PiP Moves with Key Frame Effects
Controlling of the Image Pro HD as AUX via Controller; Lantronix IP/RS232 IF
Encore GC and ECU; Encore; Encore VP vs. VPX processor
Stack Modus for 12PiPs/ Screen with the LC Console, Vertical Blending
Seamless switcher DCS 200 with RPC-200
Q&A, exchange of practical experiences

Target group:

- Operators, all those who would like to get a detailed perspective

Qualifications:

- Good previous knowledge regarding scaler /seamless switcher technology
- Basic knowledge of projection and video technique

Dura Duration:

2 days; each from 9:00h to 17:00h

Trainer:

Sven Wohlgemuth, LANG AG

Number of participants:

Maximum 8 persons

NEW Location:

LANG ACADEMY

Date:

The date will be set upon request after agreement with the trainer

Name of the workshop:

e-SSW-ENC-T&P

Registration:

via e-mail training@lang-ag.com
or via telephone 0049 / (0)2266-4764-0

Encore Presentation System – User Course “Update”

Aim of the workshop:

Within this 1 day workshop, the latest enhancement of the Barco / Folsom appliances will be presented to a small group of participants (max. 8 persons). This workshop is addressed not only to the autodidacts which are already very familiar with the system, but also to former participants at our Encore basic user workshop who would like to refresh their knowledge.

Topics of the workshop:

Seamless switcher DCS200 with RPC-200
Exchange of experiences
Demonstration of the new Features:
Shaped PiPs; Chrome and Luma Key
Downstream Key / Frame Grabber; PiP Moves with Key Frame Effects
Controlling the Image Pro HD as AUX via Controller; Lantronix IP/RS232 IF
Lantronix IP/RS232 IF interface
Encore Configurator, Preset Manager
Stack Mode for 12 PiPs /Screen with the LC Console; Vertical Blending
Encore GC and ECU, Encore VP vs. Encore VP ES vs. VPX
A lot of practice
Q&A

Target group:

- Operators, technicians who would like to get a detailed perspective

Qualifications:

- Good previous knowledge regarding scaler /seamless switcher technology
- Basic knowledge of the Encore System
- Basic knowledge of projection and video technique

Duration:	1 day from 9:00h to 17:00h
Trainer:	Sven Wohlgemuth, LANG AG
Number of participants:	Maximum 8 persons
NEW Location:	LANG ACADEMY
Date:	The date will be set upon request after agreement with the trainer
Name of the workshop:	e-SSW-ENC-UPDT
Registration:	via e-mail training@lang-ag.com or via telephone 0049 / (0)2266-4764-0

Videoserver and Player-Systems: GV Turbo iDDR & T2 / MikroM MVP Player / DVS Pronto

Aim of the workshop:

Within this 2 days workshop, a small group of participants (max. 8 people) will be familiarised with the performance features and handling of these products. The handling concerning installation and configuration will be explained with a good mix of theory and practice.

Topic of the workshop:

GrassValley Turbo iDDR, **NEW:** Turbo T2

Performance features

Handeling via front panel vs. external. data monitor and mouse /keypad

File import; Playlists

RS422 remote with AMP protocol; Genlock

Solving practical problems : MPEG variants, DVI out

MikroM MVP Player

Control surface: Media Control; File import; Creating a playlist

Synchronized multi player playback via DLS/NLS function

DVS Pronto

Differences Clipster, Pronto 2K, Pronto HD.2 and Pronto 3

Playback modi: 8 Bit, 10 Bit, 12 Bit as well as 4:2:2 vs. 4:4:4

Synchronized playback of several units via multi device function; Time code chase

XDCAM HD disc format: Sony PDW-F75 and PDW-U1

Rosendahl Bonsai SDTV HDD Recorder/Player

ADTEC signedje

MPEG2 & AVC/H.264 HD Decoding, Sync playback, IP streaming

Q&A

Target group:

- Event engineers, planner, sales and rental staff

Qualifications:

- Basic knowledge of video and IT technique

Duration:

2 days; each from 9:00h to 17:00h

Trainers:

Sven Wohlgenuth, Hubertus Beckmann,
Paul Puschmann, LANG AG

Number of participants:

Maximum 8 persons

NEW Location:

LANG ACADEMY

Date:

The date will be set upon request
after agreement

Name of the workshop:

e-ZUS-SER

Registration:

via e-mail training@lang-ag.com
or via telephone 0049 / (0)2266-4764-0

Flat Screen Technology

Aim of the workshop:

Within this 1 day workshop, a small group of participants (max. 8 people) will be familiarised with the available flat screen technologies LCD and plasma. The advantages of the respective technologies will be clearly explained and demonstrated by means of practical examples. The new challenges concerning the mechanical handling of the 103" plasma display and the 108" LCD display will be discussed and more importantly conducted.

Topics of the workshop:

Basics plasma display technology & LCD display technology
Sample Units: Panasonic Plasma Line UP: 42", 50", 58", 65", 103", coming up 150"
Handling of the 103" Panasonic PDP: lifting with the aid of chain hoist SLK, motorized stand
Portrait mode vs. landscape mode
Sample units LCD: Barco LC47, NEC LCD3210, 4020, 4720, Sharp LC65 and PN655
Block diagram, localisation of the electronic and mechanical components
HDMI1.3 with xvYCC Enhanced Colorimetry
HDCP
Full HD Panel vs. WXGA
CCFL backlight vs. side LED backlight vs. rear backlight
Multiscreen application
Q&A

Target group:

- Event engineers

Qualifications:

- Basic knowledge of the video – data technology

Duration:

1 day from 9:00h to 17:00h

Trainer:

Hubertus Beckmann, LANG AG

Number of participants:

Maximum 8 persons

NEW Location:

LANG ACADEMY

Date:

The date will be set upon request after agreement with the trainer

Name of the workshop:

e-BAS-FPD

Registration:

via e-mail training@lang-ag.com
or via telephone 0049 / (0)2266-4764-0

NEC MultiSync X461UN

Aim of the workshop:

Within this 1 day workshop, a small group of participants (max. 8 people) will be familiarised with the handling of the NEC LCD flat screen with 7,3mm seam (picture by picture). Special attention will be accorded to the "EasyFrame" mounting concept which will be theoretically as well as practically explained. All variants of a video wall will be presented and configured. After attending this seminar, the participant will get solid knowledge regarding application possibilities, features of the unit, set-up and handling of the support construction and of the unit itself.

Topics of the workshop:

Specifications, control of the specifications of the NEC X461UN
Landscape and portrait mode video walls
EasyFrame mounting concept
Features: OmniColor™; Geometrical adjustment; Timer adjustment
Optional IR remote control and IR receiver
Integrated split function up to 10 x 10 tiles
Standard on screen menu; Expert on screen menu
Control technique LCD; Backlight technique
NEC display wall calibrator: semiautomatic colour and brightness calibration with 10 Bit LUT
Optional boards from NEC
Remote control via RS232 and LAN
PC Control Utility PD1

Target group:

- Event engineers

Qualifications:

- Basic knowledge of the video – data technology

Duration:	1 day from 9:00h to 17:00h
Trainer:	Tobias Schwirten, LANG AG
Number of participants:	Maximum 8 persons
NEW Location:	LANG ACADEMY
Date:	The date will be set upon request after agreement with the trainer
Name of the workshop:	e-FPD-X641UN
Registration:	via e-mail training@lang-ag.com or via telephone 0049 / (0)2266-4764-0

. NEW: New LCD Product for Fall 2010

What is it about?

We expect the availability of a special, interesting LED product for the European market for fall 2010.

Target group:

- Event engineers

Qualifications:

- Basic knowledge of the video – data technology

Duration:	1 day from 9:00h to 17:00h
Trainer:	Tobias Schwirten, LANG AG
Number of participants:	Maximum 8 persons
NEW Location:	LANG ACADEMY
Date:	The date will be set upon request after agreement with the trainer
Name of the workshop:	e-FPD-PN-E
Registration:	via e-mail training@lang-ag.com or via telephone 0049 / (0)2266-4764-0

NEW: radarTOUCH & Co.

Aim of the workshop:

Within this 1 day workshop, a small group of participants (max. 8 people) will be familiarised with the handling and set-up of the radarTOUCH system. Also, other touch systems will be presented, compared and analysed too.

Topics of the workshop:

radarTOUCH

Specifications

Mechanical installation

Planning a radarTOUCH installation

radarTOUCH software

Used protocols and interfaces for data transfer such as TUIO/2dCUR, RTOSC MIDI

Possible applications

Specifications and characteristics of other touch systems such as IR overlays, camera tracking etc.

Practical tests and applications with some of the presented touch systems

Target group:

- Developers, system integrators, event engineers

Qualifications:

- Basic knowledge of touch systems, programming and IT technique

Duration:

1 day from 9:00h to 17:00h

Trainer:

Tobias Schwirten, LANG AG

Number of participants:

Maximum 8 persons

NEW Location:

LANG ACADEMY

Date:

The date will be set upon request after agreement with the trainer

Name of the workshop:

e-RTOUCH

Registration:

via e-mail training@lang-ag.com
or via telephone 0049 / (0)2266-4764-0

Additional Information:

Catering:

Food and drinks during the workshop will be provided by us.

Accommodation:

Should you need accommodation we will be pleased to assist you at a hotel reservation.

How you can reach us:

From Kreuz Köln-Nord

Enter the motorway A1 direction Münster/Dortmund up to Kreuz Leverkusen then enter the A3 direction Frankfurt up to Kreuz Köln-Ost. Here enter the A4 direction Olpe and leave at Engelskirchen. After about 3 km turn left direction Lindlar/Klause, then turn right into the industrial park "Klause"- Schlosserstrasse 8.

From Kreuz Köln-Ost

Enter the A4 direction Olpe leave at Engelskirchen, turn left direction Lindlar/Engelskirchen. After about 3 km turn left direction Lindlar-Klause, then turn right into the industrial park „Klause“-Schlosserstrasse 8.

From Kreuz Olpe A45 / A4

At Kreuz Olpe enter the A4 direction Köln then leave at Engelskirchen, turn left direction Lindlar / Engelskirchen. After about 3 km turn left direction Lindlar-Klause, turn right into the industrial park "Klause" – Schlosserstrasse 8.

From Kreuz Dortmund-Unna

Enter the A1 motorway direction Köln leave at Remscheid, turn left up to Hückeswagen and onward to Wipperfürth, here at the traffic lights turn right direction Köln, 100m after this turn left (Ringstraße hill up/hill down), at the traffic lights turn right (Gaulstraße) direction Lindlar. After about 1 km at the crossing (location of Jockey- Plastik) turn left direction Frielingsdorf, through Frielingsdorf, at 1. crossing turn right direction Lindlar, then left into the industrial park "Klause"-Schlosserstrasse.

From airport Cologne

Enter the motorway A3 up to Kreuz Köln-Ost, and then enter the A4 direction Olpe and leave at Engelskirchen, then turn left direction Lindlar/Engelskirchen. After about 3 km turn left direction Lindlar-Klause then turn right into the industrial park "Klause"-Schlosserstrasse 8.