How to access the ALC function of the eMotionNTx boards

This description tells you how to access the OSD settings for the ALC function of the eMotionNTx boards. The pictures are made with an driving sample, some informations on the menu may differ from the users Driving board.

The description is currently preliminary. There might be errors in the description and any content may be changed on any time without prior message.

To access the mentionioned OSD menues you will need a optional cable 12005484 and an OSD keyboard CU70005 (or same other compatible cable and keyboard).



First step, just call the OSD menu by pressing the "MENU" key:



Press two times the button "UP / PLUS" to activate the shown menu "SETUP" as the upper picture shows.

Please press the button "SELECT" three times to highlight the submenu "Advanced Setup", activate this submenu by pressing the button "UP / PLUS".

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On

On

On

You are now in the submenu "Setup/ Advanced Setup".

Here you will find the menu point to activate or disable the ALC function:

*		i		* 🗆 🛙
Setup > Advanced Setu	p		Setup > Advanced	Setup
Volume 20			Volume	20
ALC		Off	ALC	
Power Manager		On	Power Manager	
CVT Mode		On	CVT Mode	

This is normally the only ALC function a user can do.

But for adjusting the behaviour of the ALC the administrator of the unit may adjust several points like the sensitivity or the responce time...

So there is a hidden administrator menu available.

Please close the upper OSD completely by pressing the "Menu" button several times until the menu disapear. This is not necessary all time but make it easier to decribe the next steps.

Please start the OSD menu once again by pressing the "MENU" button one time and press the "UP / PLUS" Button until the upper SETUP icon is highligted:

IT i
VGA
On
►
►
•

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Your menu should look like:

* 🗆	et i
Setup	
Input	VGA
Auto Scan	On
Advanced Setup	►
Reset to Factory Defaults	►
OSD	►

Now press the "UP/PLUS" button for about six seconds this will change to the info submenu and prepare the Entry for the extended menu

*	
Info	
Software Version	emNT13-DIS001
Software Revision	V00.05.00
РА	12040891 / 000
Temperature	28°C
Timing	1024x768@60.0Hz
Mode ID	C 0xE000

(You may reach this menu also by pressing the "UP/PLUS" button shortly but the next step isn't possible") Then press the button "DOWN /MINUS" and the advanced OSD menu should appear:

ΪT	Info 1		
Info 1	Software Version	emNT13-DIS001	
Info 2	Software Revision	V00.05.00	
Setup	Build De	12040891 / 000	
Adjust			
Operation Procettings			
Fresettings			
Deter	40.40.0040	Compatible defenses a	
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Please move down to the "SETUP" submenu by pressing the "SELECT" button two times and you will get the submenu field on the left side preselected:

IT	Setup	
Info 1	Backlight	•
Info 2	ALU Inputs	
Adjust	Autostart	On
Operation	Start Logo OSD Info Window	Off On
Presettings	Burn in Mode	Off

By pressing the "UP/ PLUS" button you will get inside the menu on the right half (grey area), move the selection bar with the "DOWN /MINUS" or "UP / PLUS" button up and down until you reach the "ALC" menu point.

Now press the "UP / PLUS" button to avtivate the ALC menu:

n n	Setup > ALC			
Info 1 Info 2 Setup Adjust Operation Presettings	ALC Min ALC Max ALC Min Backlight Max Backligh Respon. Time	70 250 250 100 100 100 100 100 100 100 100 100 1	On	
Date: Software:	13.12.2019 ALC Sensor	E [Lux] Compiled from : Rev. :	16000 Wolfgang Nitzsche 000	
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n T	Setup > ALC	
info 1	ALC	On
Info 2	Min ALC 70	
Setup	Max ALC 250	
Adjust	Min Backlight [%] 5	
Operation		
Presettings	Sensor Range [Lux]	16000

You may move up down with the "DOWN / MINUS" and " UP / PLUS" button.

Every line is acive as soon as the line is marked. With the "DOWN / MINUS" and "UP / PLUS" button you may change the Values.

ALC on/off	Master switch, only if enabled the ALC function can be activated in the menu shown on the first pages			
Min ALC	The ALC deliver 255 values, here the lowest value which will be used can be selected.			
Max ALC	The ALC deliver 2 can be selected. T range which is use	The ALC deliver 255 values, here the highest value which will be used can be selected. This will define a kind of window in the whole ALC range which is used for the ALC function		
Min Backlight	This is the backlig value	This is the backlight value which will be connected with the Min ALC value		
Max Backlight	This is the backlight value which will be connected with the Max ALC value. So the ALC function vary the backlight only between the defined min and max backlight values.			
Respon. Time [s]	This is the time the ALC will use for changing the backlight value from the current value to the value which is determined by the current sensed brightness value. The larger this value is the less responsive is the adjustment			
Sensor Range [Lux] The sensor has the option to be programmed in four levels of s This four ranges can be selected on this menu point.			grammed in four levels of sensitivity. this menu point.	
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