

Fly-sky radio with OpenTx custom firmware setup



To enter Radio setup menu:



1. Press EXIT to exit 3DR Logo

2. Press/Hold “+” button

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Set parameters as specified below:

RADIO SETUP		1/6
Sound		
Mode	NoKey	
Length	--- ---	
Contrast	25	
Alarms		
Battery Low	9.0	
Inactivity	0m	
Memory Low	<input checked="" type="checkbox"/>	
Sound Off	<input checked="" type="checkbox"/>	
Backlight		
Mode	OFF	
Duration	0s	
Alarm	<input type="checkbox"/>	
Splash screen	<input checked="" type="checkbox"/>	
Time Zone	0	
GPS Coords	DD.D	
Rx Channel Ord	RETA	
Mode	<input checked="" type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/>	
2	Rud	Thr Ele Ail

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To enter OpenTx setup menu:



1. Press EXIT to exit 3DR Logo

2. Press/Hold “-” button

Create a new model:

MODELSEL		1/10
*01	3DR Iris	137
02		
03		
04		
05		
06		
07		

Move to 02 using DN
Press/Hold MENU

MODELSEL		1/10
01	3DR Iris	137
*02	MODEL02	32
03		
04		
05		
06		
07		

Delete the 3DR Iris model:

Move to 01 using UP

Press MENU to highlight the 3DR Iris model

MODELSEL		1/10
01	3DR Iris	137
*02	MODEL02	32
03		
04		
05		
06		
07		

Press/Hold EXIT

MODELSEL		1/10
01	3DR Iris	137
*02	MODEL02	32
03	DELETE MODEL [MENU] [EXIT]	
04		
05		
06		
07		

Press MENU to confirm

Move to 02 using DN

MODELSEL		1/10
01		
*02	MODEL02	32
03		
04		
05		
06		
07		

Press “-” to go to SETUP 2/10

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Set parameters as specified below:

SETUP		2/10
Name	3DR Iris	
Timer1	THs	00:00
Minute	<input type="checkbox"/>	
Countdown	<input type="checkbox"/>	
Timer2	OFF	00:00
Minute	<input type="checkbox"/>	
Countdown	<input type="checkbox"/>	
E. Limits	<input type="checkbox"/>	
E. Trims	<input type="checkbox"/>	
Trim Step	Expo	
T-Reverse	<input type="checkbox"/>	
T-Source	Thr	
T-Trim	<input type="checkbox"/>	
T-Warning	<input type="checkbox"/>	
S-Warning	<input type="checkbox"/>	
Ctr Beep	RETA123	
Proto	PPM	8CH
PPM frame	22.5ms	300u -

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Set parameters as specified below:

MIXER				5/10
CH1	Ail	100		
CH2	Ele	100		
CH3	Thr	100		
CH4	Rud	100		
CH5	MAX	-70	CS1	
	:=	MAX	-35	CS2
	:=	MAX	-15	CS3
	:=	MAX	15	CS4
	:=	MAX	35	CS5
	:=	MAX	70	CS6
CH6	P3	100		
CH7	MAX	100	ELE	
	:=	MAX	-100	!ELE

Press/Hold
MENU

EDIT MIX		CH1
Source		Ail
Weight		100
Offset		0
Trim	ON	DRex <input checked="" type="checkbox"/>
Curve		Diff 0
Mode		01234
Switch		---
Warning		OFF
Multpx		Add
Delay Up		0.0
Delay Dn		0.0
Slow Up		0.0
Slow Dn		0.0

Press/Hold
MENU

EDIT MIX		CH2
Source		Ele
Weight		100
Offset		0
Trim	ON	DRex <input checked="" type="checkbox"/>
Curve		Diff 0
Mode		01234
Switch		---
Warning		OFF
Multpx		Add
Delay Up		0.0
Delay Dn		0.0
Slow Up		0.0
Slow Dn		0.0

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Set parameters as specified below:

MIXER				5/10
CH1	Ail	100		
CH2	Ele	100		
CH3	Thr	100		
CH4	Rud	100		
CH5	MAX	-70	CS1	
:=	MAX	-35	CS2	
:=	MAX	-15	CS3	
:=	MAX	15	CS4	
:=	MAX	35	CS5	
:=	MAX	70	CS6	
CH6	P3	100		
CH7	MAX	100	ELE	
:=	MAX	-100	!ELE	

Press/Hold
MENU

Press/Hold
MENU

EDIT MIX CH3			
Source		Thr	
Weight		100	
Offset		0	
Trim	ON	DRex	<input checked="" type="checkbox"/>
Curve		Diff	0
Mode		01234	
Switch		---	
Warning		OFF	
Multpx		Add	
Delay Up		0.0	
Delay Dn		0.0	
Slow Up		0.0	
Slow Dn		0.0	

EDIT MIX CH4			
Source		Rud	
Weight		100	
Offset		0	
Trim	ON	DRex	<input checked="" type="checkbox"/>
Curve		Diff	0
Mode		01234	
Switch		---	
Warning		OFF	
Multpx		Add	
Delay Up		0.0	
Delay Dn		0.0	
Slow Up		0.0	
Slow Dn		0.0	

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Set parameters as specified below:

MIXER				5/10
CH1	Ail	100		
CH2	Ele	100		
CH3	Thr	100		
CH4	Rud	100		
CH5	MAX	-70	CS1	
	:=	MAX	-35	CS2
	:=	MAX	-15	CS3
	:=	MAX	15	CS4
	:=	MAX	35	CS5
	:=	MAX	70	CS6
CH6	P3	100		
CH7	MAX	100	ELE	
	:=	MAX	-100	!ELE

Press/Hold
MENU

Press MENU
to highlight the
row, press DN
and press MENU

Press/Hold
MENU

EDIT MIX	CH5
Source	MAX
Weight	-70
Offset	0
Trim	OFF
Curve	Diff 0
Mode	01234
Switch	CS1
Warning	OFF
Multpx	Add
Delay Up	0.0
Delay Dn	0.0
Slow Up	0.0
Slow Dn	0.0

EDIT MIX	CH5
Source	MAX
Weight	-35
Offset	0
Trim	OFF
Curve	Diff 0
Mode	01234
Switch	CS2
Warning	OFF
Multpx	Replace
Delay Up	0.0
Delay Dn	0.0
Slow Up	0.0
Slow Dn	0.0

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Set parameters as specified below:

MIXER			5/10
CH1	Ail	100	
CH2	Ele	100	
CH3	Thr	100	
CH4	Rud	100	
CH5	MAX	-70	CS1
:=	MAX	-35	CS2
:=	MAX	-15	CS3
:=	MAX	15	CS4
:=	MAX	35	CS5
:=	MAX	70	CS6
CH6	P3	100	
CH7	MAX	100	ELE
:=	MAX	-100	!ELE

Press MENU
to highlight the
row, press DN
and press MENU

Press/Hold
MENU

Press MENU
to highlight the
row, press DN
and press MENU

Press/Hold
MENU

EDIT MIX		CH5
Source		MAX
Weight		-15
Offset		0
Trim		OFF
Curve	Diff	0
Mode		01234
Switch		CS3
Warning		OFF
Multpx		Replace
Delay Up		0.0
Delay Dn		0.0
Slow Up		0.0
Slow Dn		0.0

EDIT MIX		CH5
Source		MAX
Weight		15
Offset		0
Trim		OFF
Curve	Diff	0
Mode		01234
Switch		CS4
Warning		OFF
Multpx		Replace
Delay Up		0.0
Delay Dn		0.0
Slow Up		0.0
Slow Dn		0.0

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Set parameters as specified below:

MIXER			5/10
CH1	Ail	100	
CH2	Ele	100	
CH3	Thr	100	
CH4	Rud	100	
CH5	MAX	-70	CS1
:=	MAX	-35	CS2
:=	MAX	-15	CS3
:=	MAX	15	CS4
:=	MAX	35	CS5
:=	MAX	70	CS6
CH6	P3	100	
CH7	MAX	100	ELE
:=	MAX	-100	!ELE

Press MENU
to highlight the
row, press DN
and press MENU

Press/Hold
MENU

EDIT MIX		CH5
Source		MAX
Weight		35
Offset		0
Trim		OFF
Curve	Diff	0
Mode		01234
Switch		CS5
Warning		OFF
Multpx		Replace
Delay Up		0.0
Delay Dn		0.0
Slow Up		0.0
Slow Dn		0.0

Press MENU
to highlight the
row, press DN
and press MENU

Press/Hold
MENU

EDIT MIX		CH5
Source		MAX
Weight		70
Offset		0
Trim		OFF
Curve	Diff	0
Mode		01234
Switch		CS6
Warning		OFF
Multpx		Replace
Delay Up		0.0
Delay Dn		0.0
Slow Up		0.0
Slow Dn		0.0

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Set parameters as specified below:

MIXER				5/10
CH1	Ail	100		
CH2	Ele	100		
CH3	Thr	100		
CH4	Rud	100		
CH5	MAX	-70	CS1	
:=	MAX	-35	CS2	
:=	MAX	-15	CS3	
:=	MAX	15	CS4	
:=	MAX	35	CS5	
:=	MAX	70	CS6	
CH6	P3	100		
CH7	MAX	100	ELE	
:=	MAX	-100	!ELE	

Press/Hold
MENU

Press/Hold
MENU

EDIT MIX	CH6
Source	P3
Weight	100
Offset	0
Trim	OFF
Curve	Diff 0
Mode	01234
Switch	- - -
Warning	OFF
Multpx	Add
Delay Up	0.0
Delay Dn	0.0
Slow Up	0.0
Slow Dn	0.0

EDIT MIX	CH7
Source	MAX
Weight	100
Offset	0
Trim	OFF
Curve	Diff 0
Mode	01234
Switch	ELE
Warning	OFF
Multpx	Add
Delay Up	0.0
Delay Dn	0.0
Slow Up	0.0
Slow Dn	0.0

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Set parameters as specified below:

MIXER			5/10
CH1	Ail	100	
CH2	Ele	100	
CH3	Thr	100	
CH4	Rud	100	
CH5	MAX	-70	CS1
:=	MAX	-35	CS2
:=	MAX	-15	CS3
:=	MAX	15	CS4
:=	MAX	35	CS5
:=	MAX	70	CS6
CH6	P3	100	
CH7	MAX	100	ELE
:=	MAX	-100	!ELE

Press MENU
to highlight the
row, press DN
and press MENU

Press/Hold
MENU

EDIT MIX CH7	
Source	MAX
Weight	-100
Offset	0
Trim	OFF
Curve	Diff 0
Mode	01234
Switch	!ELE
Warning	OFF
Multpx	Replace
Delay Up	0.0
Delay Dn	0.0
Slow Up	0.0
Slow Dn	0.0

Set parameters as specified below (continuation):

Go to LIMITS screen and set INV on CH2 and CH6.

LIMITS							6/10
CH1	0.0	-	100	←	100	---	
CH2	0.0	-	100	→	100	INV	
CH3	0.0	-	100	←	100	---	
CH4	0.0	-	100	-	100	---	
CH5	0.0	-	100	←	100	---	
CH6	0.0	-	100	→	100	INV	
CH7	0.0	-	100	←	100	---	

Note: The arrows on the 4th column indicates the position of the sticks, switches and knobs. To have the same directions as the screen displayed, move the throttle down, the switches away from you and the tilt knob rotated counterclockwise

Finally go to CUSTOM SWITCHES screen and set as specified.

CUSTOM SWITCHES					8/10
CS1	AND	ID0	!AIL	---	
CS1	AND	ID1	!AIL	---	
CS3	AND	ID2	!AIL	---	
CS4	AND	ID0	AIL	---	
CS5	AND	ID1	AIL	---	
CS6	AND	ID2	AIL	---	
CS7	---	---	0	---	

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Set parameters as specified next:

TELEMETRY		10/10
A1 channel		0.00v
Range	0.00v	
Offset	0.00v	
Alarm	- - -	< 0.00v
Alarm	- - -	< 0.00v
A2 channel		0.00v
Range	0.00v	
Offset	0.00v	
Alarm	- - -	< 0.00v
Alarm	- - -	< 0.00v
RSSI		
Alarm	Org	< 45
Alarm	Red	< 42
UsrData		
Proto	Hub	
Blades	2	
Voltage	FAS	
Current	FAS	
Vario		
Source	Vario	
Limit	0.5	10
Screen 1	Nums	
Alt	Sats	
Spd	Batt	
Dist	mAh	
Time	Tbat	
Screen 2	Nums	
- - -	- - -	
- - -	- - -	
- - -	- - -	
- - -	- - -	

How to delete a row:

You need to highlight the row by pressing MENU, then press/hold EXIT

Note: If one row have derived rows (e.g. rows below CH5) you need to delete the derived first.

How to copy a row:

You need to highlight the row by pressing MENU, then press DN to copy the row below.

It might be necessary to re-bind the remote control to the receiver, here is how to do it:

<http://youtu.be/5ygCbdR4FCE>

How to perform radio calibration:

http://copter.ardupilot.com/wiki/initial-setup/configuring-hardware/#Calibrate_radio_control