

ptx C3

ptx C 3

Manual

Dear client

Thank you very much for buying the German engineered **ptx system**. We are very pleased you made the decision to use our products.

Pyrotronix Show Control Systems assures you state of the art equipment with components designed for reliable performance indoor and outdoor. The rugged components of the **ptx system** offers the firework-designer enormous set up possibilities as well as an easy and simple work flow from the show script till the set up.

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1. General Safety Instructions

The correct order of setting up and connecting **ptx system** is mandatory for every user in order to achieve the highest degree of safety. At the beginning of the setting up process please ensure that the control panel key is with the responsible person.

ptx system must only be operated with original equipment and accessories manufactured by Pyrotronix Show Control Systems, Germany. The use of non-original equipment may result in the malfunction of the **ptx system**. Misuse of the **ptx system** may lead to property damage or personal injury. The **ptx system** is designed for professional use only.

Professional fireworks/pyrotechnic operators shall only use the system in a controlled professional environment permitted by the authority having jurisdiction. **ptx system** shall only be used to ignite pyrotechnics and fireworks. Connecting components or effects to the system is only allowed, when no power source is connected to the system whenever you are setting up, connecting or adding components or effects.

This also applies to every kind of work with fireworks/pyrotechnic devices.

Before using **ptx system** and effects in public places, the necessary notifications/ permissions must be obtained from the responsible authorities. When working in close proximity to people, staging, scenery or similar things it is very important that safety standards be closely followed. Familiarity with, staging, scenery, or similar things is necessary to maintain appropriate safety standards.

Smoking and open flames or lights shall be banned in the pyrotechnic/fireworks area. You shall be familiar with the fire alarm, detection and suppression systems.

Observe the safety instructions in this manual. Observe the safety instructions of the fireworks/pyrotechnic effects and respect the recommend safety distances. The operating technician must have an unrestricted view to the firing position as well as to the whole fireworks/pyrotechnic area. Never put your face or other parts of your body over fireworks/pyrotechnic effects with armed ignition boxes. Maintain the appropriate distance of separation for the effect or firework being used when **ptx Ignition System** gets powered.

The specific procedures pertaining to the use and operation of the **ptx Ignition System** are outlined in the user manual. Deviation from any of the procedures outlined in this manual are specifically forbidden and not recommended by Pyrotronix GmbH. Any deviations to the procedures as outlined in the user manual may result in property damage or personal injury.

Any deviations to the procedures as outlined in the user manual is considered a misuse of the system and done so at your own risk.

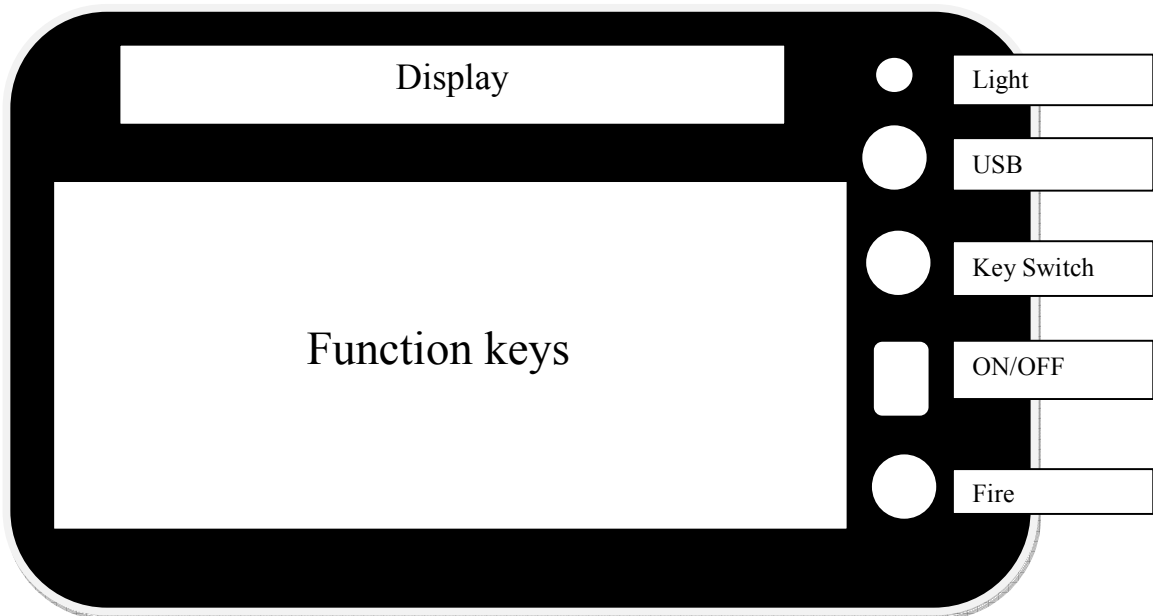
PYROTRONIX Show Control Systems GmbH Germany cannot be held responsible for any harm caused by the misuse, improper electrical connection, failure to properly maintain, improper handling of pyrotechnics and fireworks or deviation from the procedures outlined in **ptx system** user manual.

2. Description of ptx C3

ptx C3 ignition system is designed and developed especially for professional show application. ptx C3 is equipped with an illuminated display. Operation advices and handling information will be shown at the display. Menu navigation is possible in different languages. Radio and wire components can be combined. The internal Lithium Ionic battery allows working independent from main power supply.

ATTENTION !!! Discharging of the battery can destroy the battery – please notice the battery capacity status at the display !!! ATTENTION

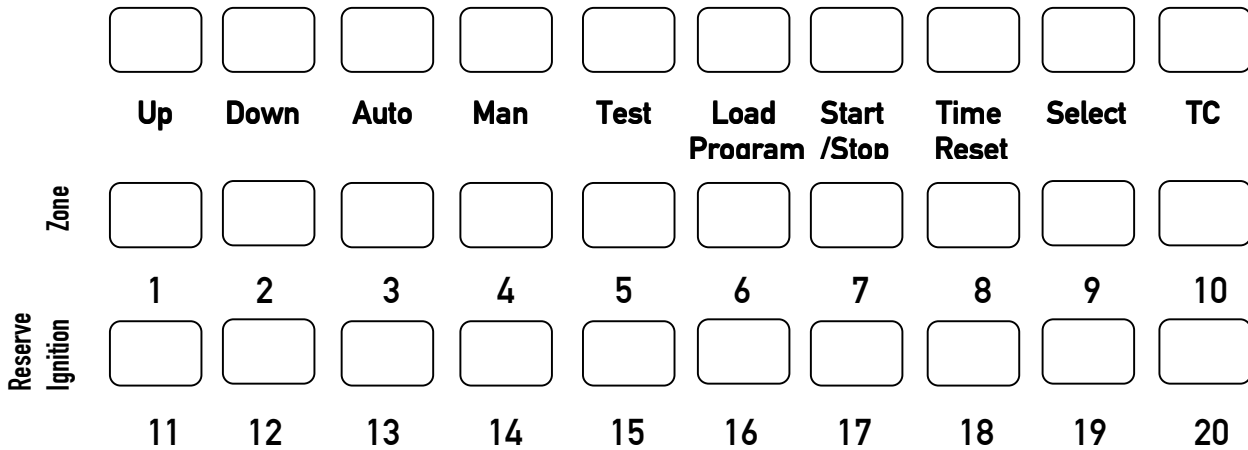
3. Display and function keys



Light	⇒	Connection for working light
USB	⇒	Connection for USB stick
Key Switch	⇒	Key switch to release ignition power
ON/OFF	⇒	Main power switch
Fire	⇒	Key to start show/ Key for manual ignition

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Additional to the function keys and connection above there is a keypad, the first 10 for different menu, push button 1 – 20 to activate ignition, safety zone and reserve ignition.

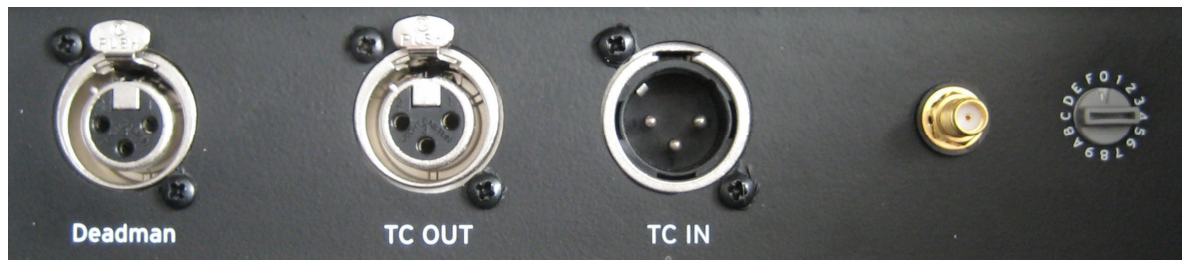


- Up ⇨ select level
- Down ⇨ select level
- Auto ⇨ automatic mode
- Man ⇨ manual mode
- Test ⇨ test mode for ptx Ignition Control Boxes
- Load Program ⇨ load all data for show
- Start/ Stop ⇨ stop watch control
- Time Reset ⇨ stop watch control
- Select ⇨ select different menu
- TC ⇨ confirm different menu
- Key 1- 20 ⇨ activate ignition in manual mode
- Zone/ key 1 -10 ⇨ activate safety zone 1 – 10 in automatic mode
- Reserve ignition/ key 11 – 20 ⇨ activate reserve ignition 1 – 10 in automatic mode

4. Connections



OUT 1	⇒	output 1 ptx Data
OUT 2	⇒	output 1 ptx Data
Main Power	⇒	Input main power supply / charger
Fuse	⇒	2A



Dead man	⇒	Input Dead man
TC OUT	⇒	Output internal Time Code
TC IN	⇒	Input external Time Code
Antenna	⇒	Antenna socket
Freq	⇒	16 different adjustments for frequency

5. Operation

Switch ON main power support, on display appears:

ptx system
C3
Version 1.0.1 (Date)

Please select one control mode

Timecode: Out(In)

ptx C3 is able to generate or to receive time code. Time code operation mode will be shown at display. Time code is a separate time signal, independent from the internal clock. This signal will often be used when different companies – like light, laser or audio – are working together. Time code makes sure, that all are starting at the same time and working with the same time to be absolute synchronously.

If TIMECODE GENERATE is selected, ptx C3 is sending the time code to all others and working like a master machine.

Time code OUT	⇒	ptx C3 generates time code, available at socket TC OUT
Time code IN	⇒	ptx C3 receives time code, connection at socket TC IN

6. Load Program

After creating a show with software ptx C3 or ptx Solution Professional save the data on USB stick (chapter 23). Connect USB stick with USB socket and press LOAD PROGRAM.

Load project:
 USB Device : ✓
 USB Stick : ✓ USB File : ✓
 Press Fire to transfer

USB Device	⇒	internal interface
USB Stick	⇒	USB stick identification
USB File	⇒	USB file identification
✓ = o.k.		X = not o.k.

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After pressing the FIRE key, the program will be transferred to ptx C3

```
Load program:
USB Device : ✓
USB Stick : ✓                               USB File : ✓
Data transfer 100%
```

Confirmation of successful transfer will be shown:

```
Load program:
USB Device : ✓
USB Stick : ✓                               USB File : ✓
Data transfer complete
```

7. Test

Press key TEST, on display appears:

```
IC Box No.: 1 !                               100%                               Bat : 100%
Response                                       Bat.IC : 100%
1  2  3  4  5  6  7  8  9 10 11 12 13 14 15 16
✓  ✓  ✓  ✓  X  X  ✓  ✓  ✓  ✓  ?  ?  ✓  ✓  ✓  ✓
```

Press function key UP and DOWN to select different addresses of ptx IC Box .

If the connection is correct, you see RESPONSE, the key TEST lights up red.

The quality of connection will be shown on top on the screen, valid for radio and cable equipment. For radio parts it is a range test, for cable parts it is a cable test. Connections less than 80% have to be proofed.

Bat : 100% ⇒ internal battery voltage of ptx C3
Bat.IC: 100% ⇒ internal battery voltage of ptx Radio IC

The number 1- 16 show the 16 outputs of ptx IC Boxes and below the status of the connected effects.

✓ ⇒ connection is **o.k.**
X ⇒ connection is **not o.k.**
? ⇒ connected effect, but **not programmed**

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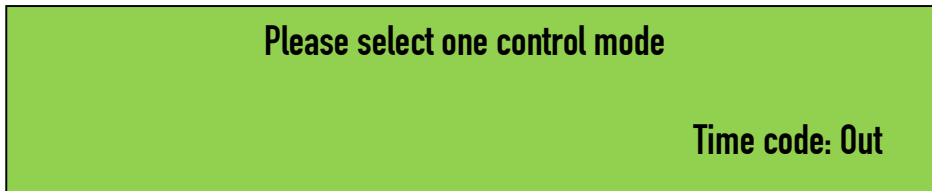
Is there no connection to ptx IC Box you see NO RESPONSE, the key TEST is flashing red.
If you use ptx IC Boxes with the same address, you get NO RESPONSE by testing. System doesn't know, which box should be tested, because all with the same address. Please test all these boxes alone.

IC Box No.: 1 !	00%	Bat : 100%													
No response		Bat.IC : 00%													
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

Press function key TEST again to stop the test.

8. Ignition

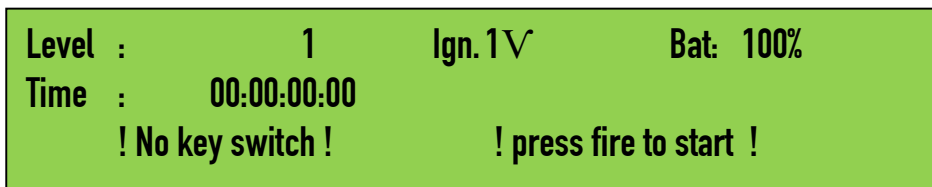
With key MAN and AUT the manual or automatic mode will be selected.



8.1 Manual ignition

Before using this mode, please transfer all data from software ptx C3 (chapter 17) or ptx Solution Professional.

Press key MAN, on display appears:



Function key MAN is flashing. By pressing key UP and DOWN select the group of ignition No, there are 20 ignitions No. per level.

LEVEL 1 ⇒ ignition No. 1-20, red push button 1-20 are allocated with ignition No. 1-20.

LEVEL 21 ⇒ ignition No. 21-40, red push button 1-20 is allocated with ignition No. 21-40.

LEVEL 41 ⇒ ignition No. 41-60, red push button 1-20 are allocated with ignition No. 41-60.

LEVEL 61 ⇒ ignition No. 61-80, red push button 1-20 is allocated with ignition No. 61-80.

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Selected ignition No. appears on the screen.

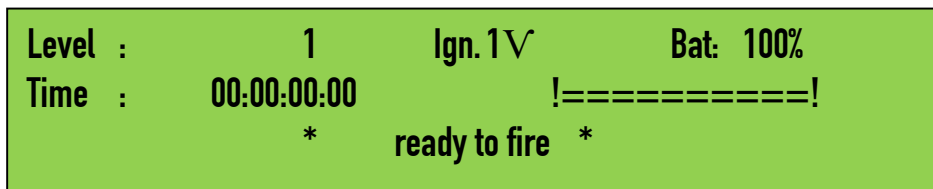
V ⇒ **ignition No. is programmed.**
X ⇒ **ignition No. is not programmed.**

TIME ⇒ internal clock ⇒ 00 : 00 : 00 : 00 : ⇒ hour : minute : second : millisecond

Internal clock will be operated by key START/STOP and TIME RESET.

Key MAN is flashing.

After turning the KEY SWITCH system is ready for ignition.



Key MAN lights up red. Key of first ignition No. lights up red.

Ignition power for ptx IC Boxes is loading, the status of power will be shown at the bar on the screen – below BAT!!

!! ATTENTION !! To get the necessary ignition voltage you have to wait approx. 60sec. after switching on KEY SWITCH !!!!

Select ignition No. with key 1 – 20, selected key lights up red, ignition No. is ready for ignition.

First setting is automatically first key 1. To start ignition press push button FIRE, after the key of ignited No. is flashing. After igniting No. 20 system is jumping to No. 21.

!! Attention !! Before starting ignition please care for correct level. **!!Attention!!**

After finishing ignition please turn off KEY SWITCH, function key MAN is flashing, press key MAN again to change menu.

8.2 Automatic ignition

Before using this mode, please transfer all data from software ptx C3 (chapter 17) or ptx Solution Professional.

Press key AUT, on display appears:

I.No	: 1	00:00:01:10	Bat	: 100%
Time	:	00:00:00:00	Delay	:
TC	:	00:00:00:00		
		! No key switch !		! press fire to start !

Ign. 01 shows the next ignition No. and the allocated ignition time, example above shows 1,10sec. If 99 : 99 : 99 : 99 will be shown, there is no program in or program will be finished.

I.No	⇒	ignition No.
Time	⇒	stopwatch
TC	⇒	time code
Bat.	⇒	internal battery voltage
Delay	⇒	add or subtract 10ms per step to TIME

Key AUT is flashing.

After turning the KEY SWITCH system is ready for ignition.

Ign.	: 1	00:00:01:10	Bat	: 100%
Zeit	:	00:00:00:00	Delay	:
TC	:	00:00:00:00		!=====!
	**	ready to fire	**	! press fire to start !

Key AUT lights up red.

Ignition power for ptx IC Boxes is loading, the status of power will be shown at the bar on the screen – below 'Delay'!!

!! ATTENTION !! To get the necessary ignition voltage you have to wait approx. 60sec. after switching on KEY SWITCH !!!!

After pressing push button FIRE show will be started automatic, the program is running.

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Internal clock is running; next ignition No. and ignition time will be shown.

After pressing push button FIRE again, show will be stopped (pause), after pressing again show will continue.

Internal clock will be operated by key START/STOP and TIME RESET.

During show it is possible to make the whole program slower or faster, to correct subsequently synchronization of music and effect. By pressing key UP/ DOWN you can adjust the time +10ms or -10ms. The offset will be shown beside DELAY.

Ign.	: 1	00:00:01:10	Bat	: 100%
Timer	:	00:00:00:00	Delay	: + 10ms
TC	:	00:00:00:00	=====	
	**	ready to fire	**	! System is running !

After finishing ignition please turn off KEY SWITCH, function key AUT is flashing, press key AUT again to change menu.

8.3 Automatic ignition with time code - receive time code

Press key SELECT to confirm, if time code has to be received or to be generated and confirm with key TC. Confirmation will be shown with sign √.

```

Timecode
receive  : √
generate :
    
```

Three different time codes are available, SMPTE 24, SMPTE 25 and SMPTE 30. Select time code by pressing again key SELECT and confirm with key TC, on screen you can see X for confirmation.

```

Timecode

SMPTE 25 X
    
```

Press key AUT and TC, both are flashing, on display appears:

```

Ign.   : 1    00:00:01:10          Bat   : 100%
Time   :      00:00:00:00          Delay :
TC     :      00:00:00:00
      ! No key switch !           ! press fire to start !
    
```

After switching on KEY SWITCH key AUT lights up red, press FIRE to start, key TC is flashing.

```

Ign.   : 1    00:00:01:10          Bat   : 100%
Time   :      00:00:00:00          Delay :
TC     :      00:00:00:00
      **ready to fire      **    !    waiting for timecode
    
```

As soon as time code signal is coming, the show will be started, ignition program is running, on display appears * READY TO FIRE * ! SYSTEM IS RUNNING ! Key TC lights up red.

8.4 Automatic ignition with time code - generate time code

Press key SELECT to select, if time code has to be received or to be generated and confirm with key TC. Confirmation will be shown with sign √.

```

Timecode
Receive :
Generate : √
    
```

Three different time codes are available, SMPTE 24, SMPTE 25 and SMPTE 30. Select time code by pressing again key SELECT and confirm with key TC. on the screen you can see X for confirmation.

```

Timecode

SMPTE 25 X
    
```

Press key AUT , on display appears:

```

Ign   : 1    00:00:01:10          Bat   : 100%
Time  :      00:00:00:00          Delay :
TC    :      00:00:00:00
                    * no key switch *
    
```

After switching on KEY SWITCH, on screen appears:

```

Ign.   : 1    00:00:01:10          Bat   : 100%
Time   :      00:00:00:00          Delay :
TC     :      00:00:00:00          !=====!
      ** ready to fire      **  !   press Fire to start   !
    
```

As soon as the show is started, time code is available on socket TC OUT and will be shown at screen.

9. Safety zone – automatic mode

10 safety zones are available, allocated to key 1 – 10. Safety zones will be programmed with software ptx C3 or ptx Solution Professional (chapter 21).

To activate safety zone in automatic mode, please press key 1 – 10, selected key lights up red. To deactivate, please press key 1- 10 again, light of selected key is off.

Key 1 - 10 lights up	= safety zone 1 – 10 is activated and the allocated output will not ignited.
Key 1 - 10 is off, no light	= safety zone 1 – 10 is deactivated and the allocated output will ignited.

Activating and deactivating safety zones is possible as often as desired. There is no influence on show continuity.

10. Reserve ignition – automatic mode

10 different reserve ignitions are available, allocated to key 11 – 20. Reserve ignitions will be programmed with software ptx C3 (chapter 22).

To activate reserve ignition in automatic mode, please press key 11 – 20 and the ignition is started. After ignition key 11 – 20 is flashing.
There is no influence show continuity.

11. Select Settings

Menu to select different settings. By pressing key SELECT repeatedly the display shows different settings, they can be confirmed with key TC. Confirmation will be signed with or No/Yes.

11.1 Select time code

Three different time codes are available, SMPTE 24, SMPTE 25 and SMPTE 30. Select time code by pressing again key SELECT and confirm with key TC, on the screen you can see for confirmation.



11.2 Deadman

With ptx C3 it is possible to use a Deadman switch. Select here, if working with or without Deadman.



If DEADMAN YES is selected and the Deadman is not connected, there will be an advice/ a warning in fire menu.

Time code receiving or generating:

ptx C3 is equipped with time code module, it is possible to receive or to generate time code. Select time code mode by pressing key SELECT again and confirm with TC. Confirmation will be signed with



11.3 Load Program (chapter 5):

Transfer of all data from software ptx C3 to control unit, see chapter 5.

11.4 Safety code

It is possible to program (only from ptx producer) ptx IC Boxes with an individual safety code. Programmed safety code is fixed, can't be changed. In the case of using ptx IC Boxes with safety code, please confirm SECURITY with key TC. Confirmation will be signed with

Safety Code :

Attention: ptx IC Boxes with a programmed safety code are not compatible with ptx IC Boxes without or with a different safety code. They cannot use together.

Attention: If ptx Ignition Boxes without safety code are used and the safety code is confirmed in menu SELECT, system will not operate. There is no communication between control unit and ignition boxes. Please select mode without safety code to make sure, that ptx system is working.

Safety Code :

11.5 Load Default program

There is a default program stored into C3. The sequence of program is:

Ignition No. 1	⇒	ptx IC Box 1, output 1
Ignition No. 2	⇒	ptx IC Box 1, output 2
Ignition No. 3	⇒	ptx IC Box 1, output 3
Ignition No. 4	⇒	ptx IC Box 1, output 4
Ignition No. 5	⇒	ptx IC Box 1, output 5
Ignition No. 6	⇒	ptx IC Box 1, output 6
Ignition No. 7	⇒	ptx IC Box 1, output 7
Ignition No. 8	⇒	ptx IC Box 1, output 8
Ignition No. 9	⇒	ptx IC Box 1, output 9
Ignition No. 10	⇒	ptx IC Box 1, output 10
Ignition No. 11	⇒	ptx IC Box 1, output 11
Ignition No. 12	⇒	ptx IC Box 1, output 12
Ignition No. 13	⇒	ptx IC Box 1, output 13
Ignition No. 14	⇒	ptx IC Box 1, output 14
Ignition No. 15	⇒	ptx IC Box 1, output 15
Ignition No. 16	⇒	ptx IC Box 1, output 16
Ignition No. 17	⇒	ptx IC Box 2, output 1
Ignition No. 18	⇒	ptx IC Box 2, output 2

etc. . . . up to ignition No. 3200, ptx IC Box 200, output 16

To load the default program, press key SELECT and confirm LOAD DEFAULT PROGRAM with key TC

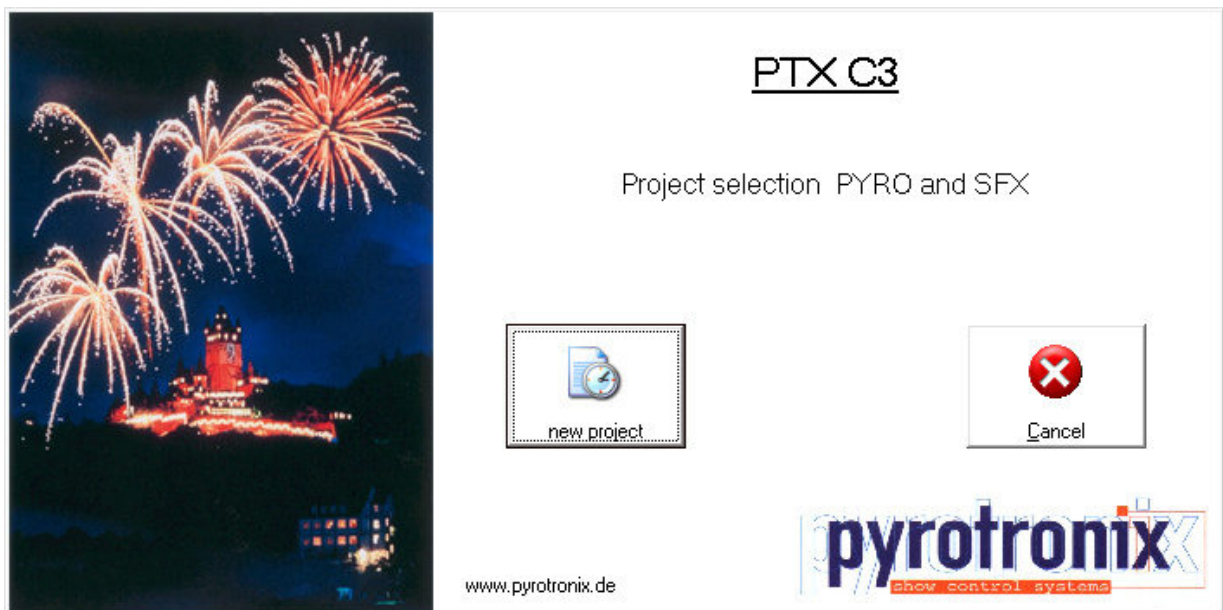
**Load default program:
(delete current program)
press TC to confirm**

12. Software ptx C3

To program ptx C3 system is delivered with software ptx C3. Ignition times, outputs, security zones, and reserve ignitions can be allocated. Programming manual, automatic and mixed sequences is possible.



After starting selection of opening LAST PTOJECT or NEW PTOJECT is available.



ptx C3

Menu bar shows different functions, all with description if you go on.



On left side there are ignition times, on right side the outputs.

There are 3200 different ignition times and 200 different ptx IC Boxes (different address).

The image shows the main window of the software. It features the same menu bar and toolbar as above. The main area contains a table with two columns: 'CUE' and 'Description'. The 'CUE' column lists numbers 1 through 16, and the 'Description' column lists times from 00:00:01:00 to 00:00:54:36. To the right of this table is a larger grid with columns labeled 'IC', 'Ch1', 'Ch2', 'Ch3', 'Ch4', 'Ch5', 'Ch6', 'Ch7', 'Ch8', 'Ch9', 'Ch10', 'Ch11', 'Ch12', 'Ch13', 'Ch14', 'Ch15', and 'Ch16'. The grid shows a sequence of channel assignments for each cue. For example, cue 1 has channel 1 in Ch1, cue 2 has channels 2, 2, 2, 4, 6, 9, 3, 6, 2, 6, 3, cue 3 has channels 16, 16, 16, 8, 6, 9, 10, 11, 12, 13, 14, 15, 16, 1, 1, 1, and cue 16 has channel 16 in Ch16.

CUE	Ignition time	Description	IC	Ch1	Ch2	Ch3	Ch4	Ch5	Ch6	Ch7	Ch8	Ch9	Ch10	Ch11	Ch12	Ch13	Ch14	Ch15	Ch16
1	00:00:01:00		1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2	00:00:04:05		2	2	2	2	4	6	9	3	6	2	6	3					
3	00:00:06:23		3	16	16	16	8	6	9	10	11	12	13	14	15	16	1	1	1
4	00:00:10:00		4																
5	00:00:11:00		5																
6	00:00:13:97		6																
7	00:00:00:14		7																
8	00:00:00:15		8																
9	00:00:00:16		9																
10	00:00:00:17		10																
11	00:00:00:29		11																
12	00:00:40:00		12																
13	00:00:43:21		13																
14	00:00:50:76		14																
15	00:00:52:00		15																
16	00:00:54:36		16																

Max. 20 outputs can be allocated to one ignition No.

The minimum time distance between 2 ignitions No. is 0,03s, by using radio equipment 0,06s.

Manual and automatic mode is possible. It is also possible to create mixed sequences, to program this please use MAN and MTR:

13. Ignition time

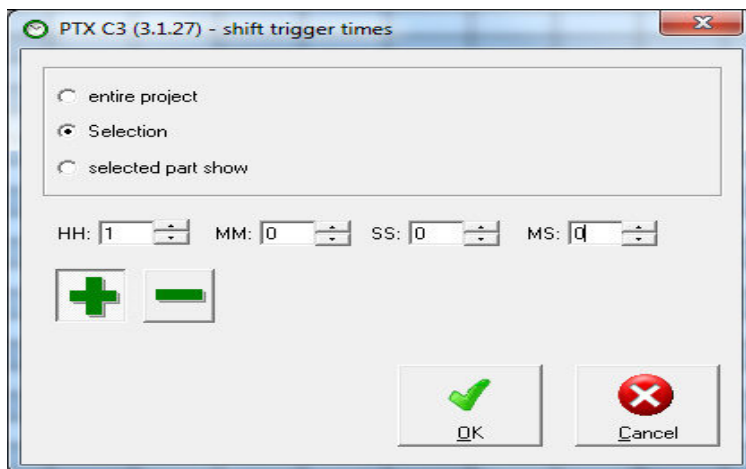
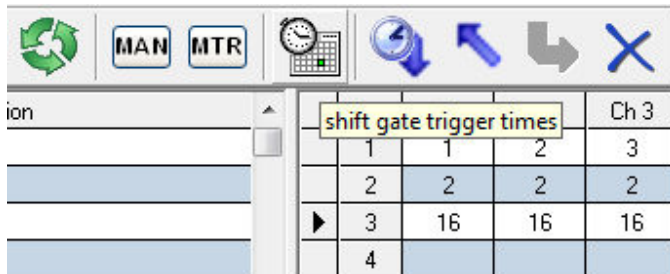
Left hand side of the list for ignition times.

00 : 00 : 00 . 50 ⇒ hours : minutes : seconds . milliseconds

Beside there is place for description, article No. etc.

CUE	Ignition time	Description
1	00:00:01:00	
2	00:00:04:05	
3	00:00:06:23	
4	00:00:10:00	
5	00:00:11:00	
6	00:00:13:97	
7	00:00:00:14	
8	00:00:00:15	

It is possible to delay ignition times. Menu SHIFT GATE TRIGGER TIMES allows different adjustment.



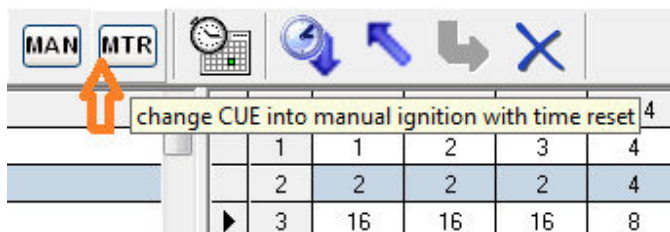
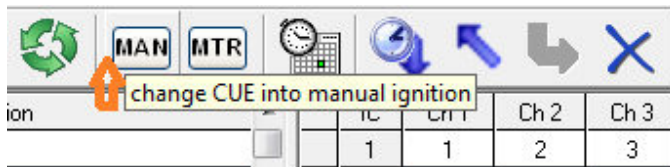
14. Output/ outgoing channel

	IC	Ch 1	Ch 2	Ch 3	Ch 4	Ch 5	Ch 6	Ch 7	Ch 8	Ch 9	Ch 10	Ch 11	Ch 12	Ch 13	Ch 14	Ch 15	Ch 16
	1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	2	2	2	2	4	6	9	3	6	2	6	3					
▶	3	16	16	16	8	6	9	10	11	12	13	14	15	16	1	1	1
	4																
	5																
	6																
	7																
	8																
	9																
	10																
	11																

At the left side the different addresses of ptx IC boxes (1.200 vertical) will be displayed, on top the outputs of ptx IC boxes (CH 1 – CH 16, horizontal). Here the ignition No. will be allocated.

15. Sequences

With menu MAN (change CUE into manual ignition) and MTR (change cue in a manual ignition with time reset) you can program sequences, manual and automatic mode mixed.

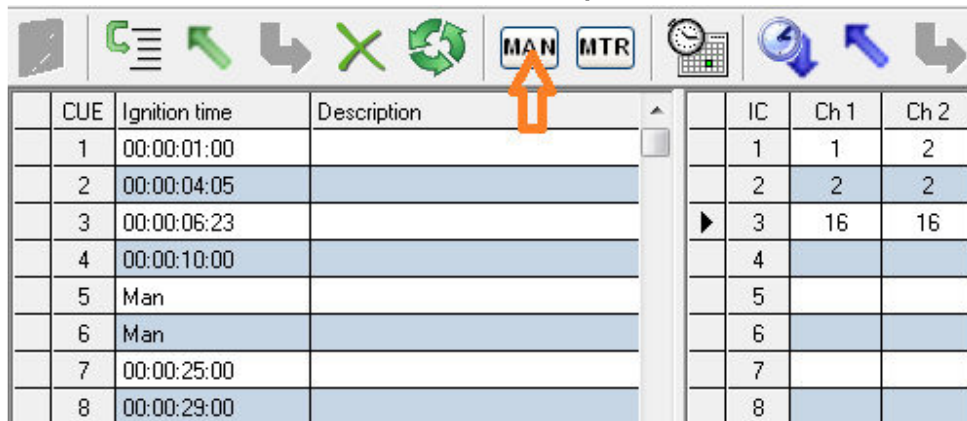


MAN – manual ignition

In the time list manual ignition will be signed with MAN, in example below No. 5 and 6.

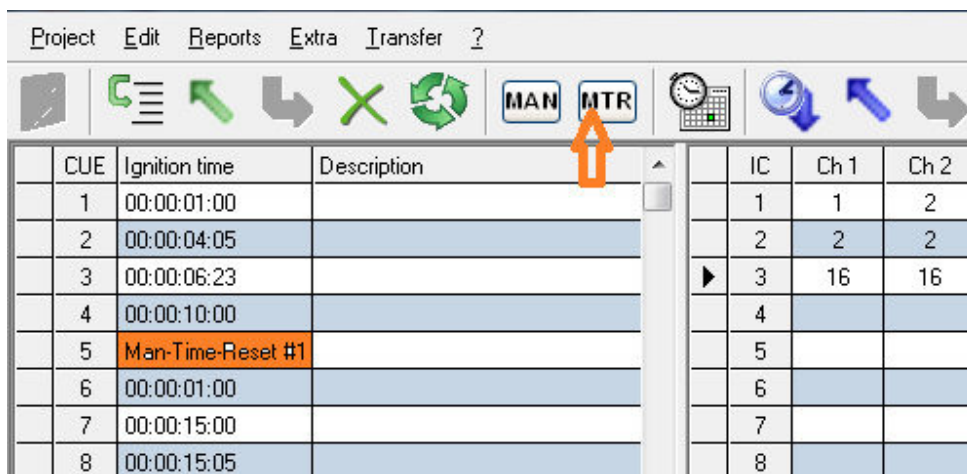
Automatic program comes to a stop, by pressing push button FIRE the next programmed manual ignition will be fired and the next sequence will be started, program continues.

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CUE	Ignition time	Description	IC	Ch 1	Ch 2
1	00:00:01:00		1	1	2
2	00:00:04:05		2	2	2
3	00:00:06:23		3	16	16
4	00:00:10:00		4		
5	Man		5		
6	Man		6		
7	00:00:25:00		7		
8	00:00:29:00		8		

Manual ignitions with time reset (MTR) will be signed as MAN TIME RESET #. Automatic program comes to a stop and the time will set to zero, by pressing push button FIRE the next sequence or the next manual ignition No. starts. Time is starting from zero.



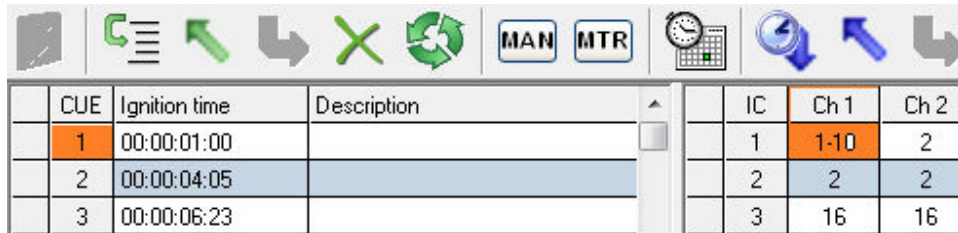
CUE	Ignition time	Description	IC	Ch 1	Ch 2
1	00:00:01:00		1	1	2
2	00:00:04:05		2	2	2
3	00:00:06:23		3	16	16
4	00:00:10:00		4		
5	Man-Time-Reset #1		5		
6	00:00:01:00		6		
7	00:00:15:00		7		
8	00:00:15:05		8		

16. Safety zone / function key 1 - 10

10 different safety zones can be allocated to an ignition No.

Allocating safety zones is possible as often as desired.

Activating and deactivating safety zones is possible as often as desired. There is no influence on show continuity. (chapter 13)



CUE	Ignition time	Description	IC	Ch 1	Ch 2
1	00:00:01:00		1	1-10	2
2	00:00:04:05		2	2	2
3	00:00:06:23		3	16	16

Safety zone will be allocated additional to the ignition No, hyphenated (with -).

The picture above shows safety zone 10, allocated to ignition No.1, ptx IC Box No. 1 and output No.1.

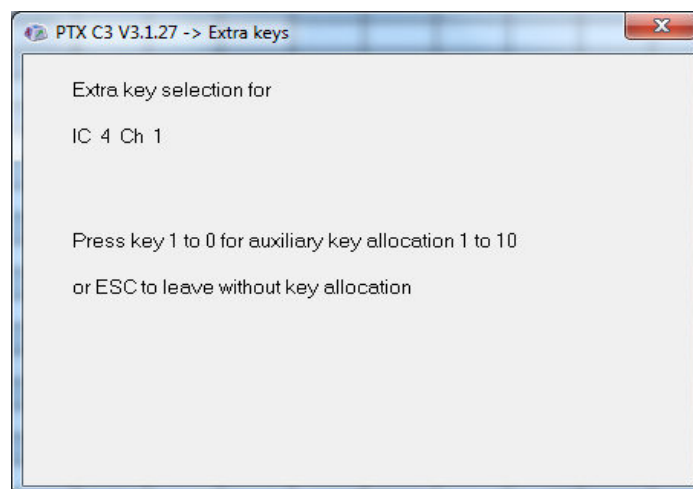
This output will not ignite, if the safety zone is activated.

17. Reserve ignition / function key 11 - 20

Reserve ignitions can be fired independent of a running show. Ten different reserve ignitions are available, allocated several times (max. 20 per single reserve ignition) Press letter K on your keyboard.

To allocate please click selected output of ptx IC Box and press letter K on your keyboard- following window is opening;

Durch Auswahl auf der Tastatur werden die Reservezündungen zugeordnet.



ptx C3

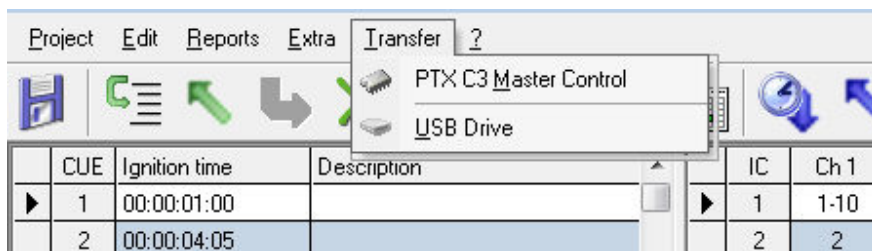
Press selected number (1-10) on your keyboard, see above example; ptx IC Box No. 1, first channel programmed as reserve ignition.

Ignition starts by pressing the allocated key (chapter 14).

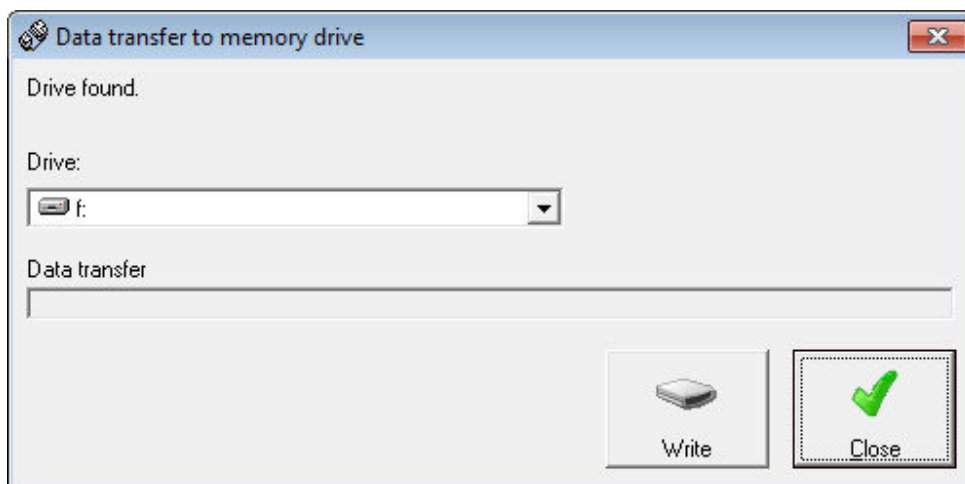
	IC	Ch 1	Ch 2	Ch 3	Ch 4
	1	1-10	2	3	4
	2	2	2	2	4
	3	16	16	16	8
▶	4	K 1			
	5				

18. Load program

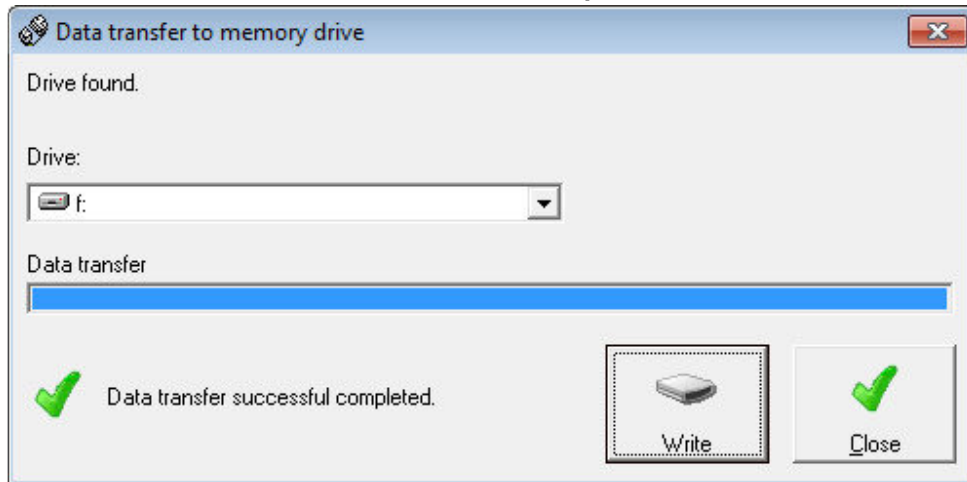
After finishing with programming data has to be saved on USB stick. Click menu TRANSFER and select the data store.



Click WRITE and the data will be saved on USB stick.

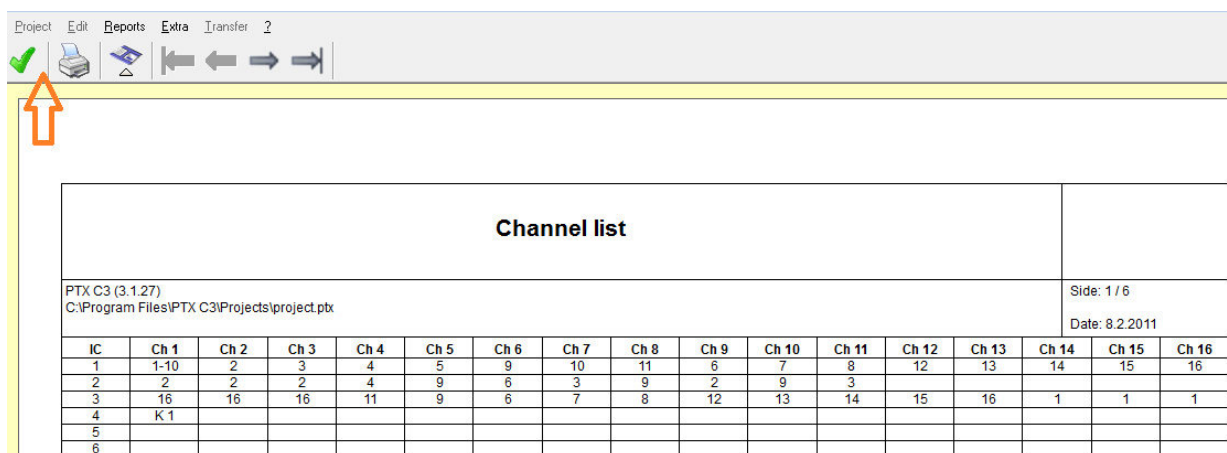
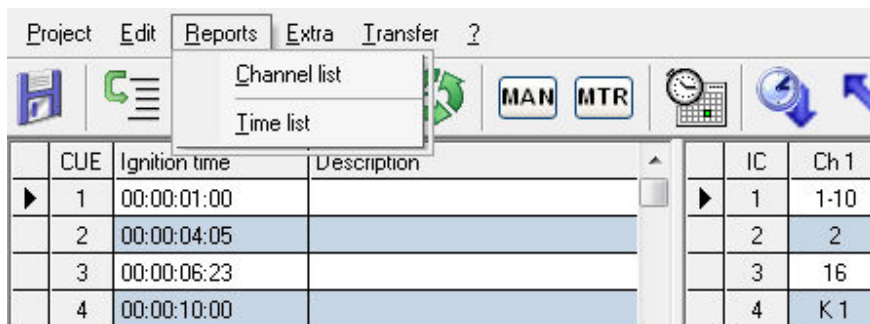


ptx C3

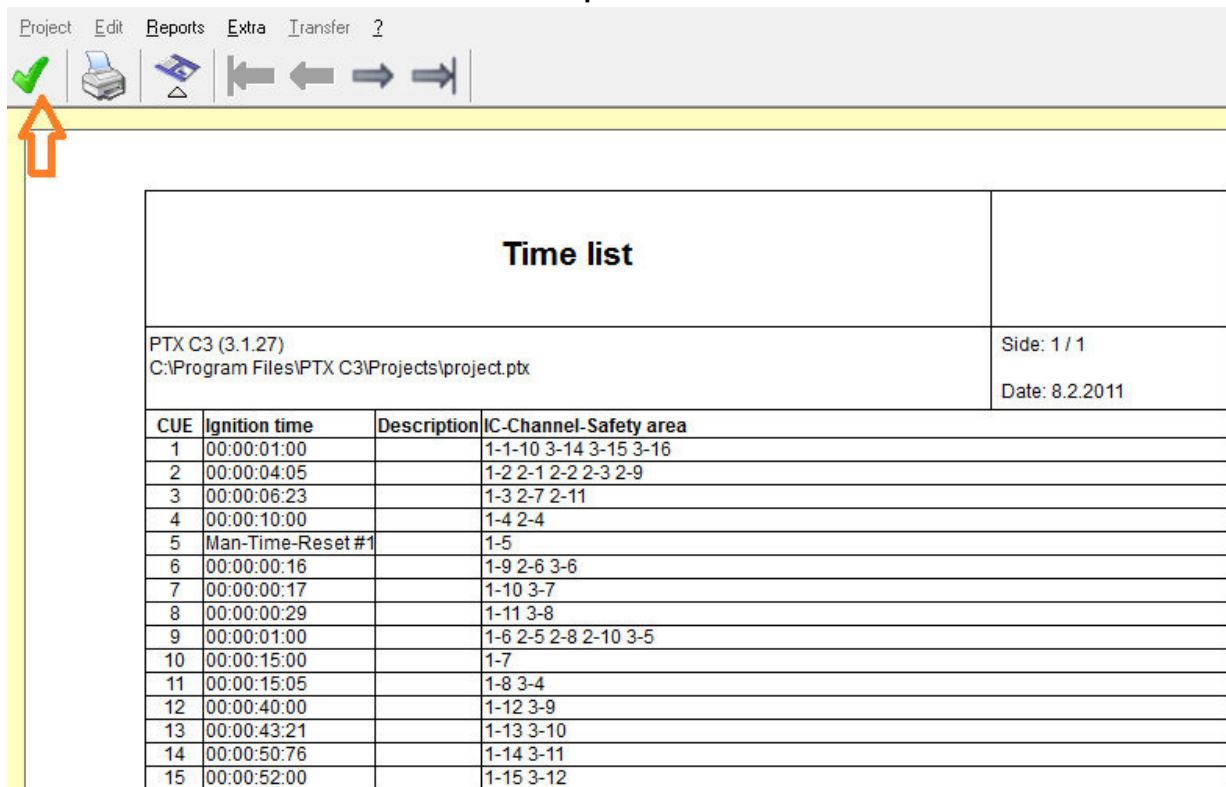


19. Reports

It is possible to create reports about channel coding and time list. Back to the program by clicking green hook.



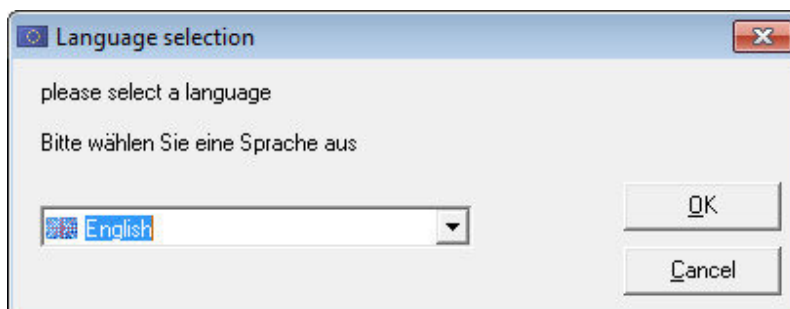
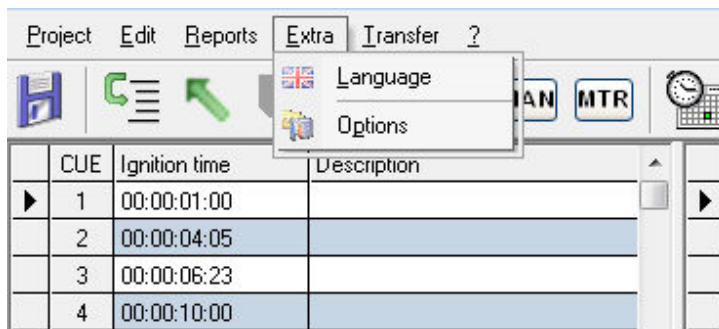
ptx C3



CUE	Ignition time	Description	IC-Channel-Safety area
1	00:00:01:00		1-1-10 3-14 3-15 3-16
2	00:00:04:05		1-2 2-1 2-2 2-3 2-9
3	00:00:06:23		1-3 2-7 2-11
4	00:00:10:00		1-4 2-4
5	Man-Time-Reset#1		1-5
6	00:00:00:16		1-9 2-6 3-6
7	00:00:00:17		1-10 3-7
8	00:00:00:29		1-11 3-8
9	00:00:01:00		1-6 2-5 2-8 2-10 3-5
10	00:00:15:00		1-7
11	00:00:15:05		1-8 3-4
12	00:00:40:00		1-12 3-9
13	00:00:43:21		1-13 3-10
14	00:00:50:76		1-14 3-11
15	00:00:52:00		1-15 3-12

20. Extra

It is possible to change the language



21. Specification

Ignition times	3.200
Outputs	3.200
Ignitors max.	128.00
Max. output per gnition time	20
Stepper sequence	min. 0,01s
Range	1000- 5000m
Frequency	869MHz, 915MHz
Transmission power	150mW
Time code	SMPTE 24 - 25 - 30
Input	110/230V AC - 50/60Hz
Output	70V DC
Fuse	2A
Weight	6.150g
Dimension (L x H x B) mm	400 x 180 x 140

ATTENTION !!! Discharging of the battery can destroy the battery – please notice the battery capacity status at the display !!! ATTENTION

From August 1, 2011 we offer a new frequency for some countries outside of Europe. New frequency is 915MHz, setting is with frequency switch, position F.

From this day all ptx radio devices will be delivered with this setting.