

## LIST OF SOFTWARE VERSIONS AND CHANGES

## FA-07 Fencing Apparatus

Art. 940

**1.1. FA07\_0100 version** (02 Dec 2008).

The related FA-07 Manual is the document 940-M01.  
This is the 1st issued version.

**1.2. FA07\_0101 version** (10 Dec 2008).

The related FA-07 Manual is the document 940-M02.

It has been added the programming step P.08 "Pause 1 minute = Manual or Automatic".

Selecting "Pause 1 min. = Automatic" is useful in 3-match competitions and launches the automatic pause of 1 minute at the end of the 3 minutes of the 1st and 2nd matches. At the end of the 1-minute pause, the subsequent match number will appear and the chronometer's 3-minute start time will load.

**1.3. FA07\_0102 version** (20 Jan 2009).

The related FA-07 Manual continues to be the document 940-M02.

It has been improved the data transmission on the Rs422 ports. A change of any datum causes an immediate transmission (within 43ms) of all the data, so any peripheral that receive the data will be able to display immediately all the information.

**1.4. FA07\_0103 version** (19 Feb 2009).

The related FA-07 Manual continues to be the document 940-M02.

1. There has been a small modification on the protocol of the two SERIAL DATA OUTPUTs, to solve a problem of a wrong display of the red cards on the PANEL-02 repeater when this last one was connected to the FA-07. To handle correctly the red cards, the FA-07 used as repeater must have the same version of the FA-07 used as master.
2. When the FA-07 is used as repeater, now it saves immediately the front/back view status selected by the F3 button, to be able to recover the last status in case of power down; on the previous version the status was saved only when the Serial Data cable was disconnected.

**1.5. FA07\_0104 version** (23 Mar 2009).

The related FA-07 Manual continues to be the document 940-M02. The epee auto-scoring has been disabled on 1 min and 10 min pause.

**1.6. FA07\_0105 version** (22 May 2009).

The related FA-07 Manual continues to be the document 940-M02. Fixed wrong behaviour regarding the interface with the STM-Wireless unit.

**1.7. FA07\_0106 version** (11 Jan 2010).

The related FA-07 Manual continues to be the document 940-M02.

1. Changed the RS422 Protocol with the new RS422-FPA V2.0 protocol, approved by F.I.E.
2. Added the support for the new FR240 large repeater and for the "PC\_to\_FR240" software, to manage the names and countries of fencers when the Cyrano protocol is not used.

**1.8. FA07\_0106 version** (11 Jan 2010).

The related FA-07 Manual continues to be the document 940-M02.

1. Changed the RS422 Protocol with the new RS422-FPA V2.0 protocol, approved by F.I.E.
2. Added the support for the new FR240 large repeater and for the "PC\_to\_FR240" software, to manage the names and countries of fencers when the Cyrano protocol is not used.

**1.9. FA07\_0108 version** (24 Feb 2010).

1. The related FA-07 Manual is the document 940-M03.
2. Added the possibility to swap the fencer names on the FR240 when it is connected to the FA-07.

**1.10. FA07\_0109 version** (23 Mar 2010).

The related FA-07 Manual is the document 940-M04.

Added customers suggestions:

1. Automatic 1 min with the priority key if the score is even at the end of 3rd and 9th match.
2. Improvements when the FA-07 is used on LAN.

**1.11. FA07\_010A version** (20 May 2010).

The related FA-07 Manual is the document 940-M05.

Added customers suggestion:

The Priority button always loads 1 minute. On the previous 0109 version, the key loaded 1 minute only if the score was even and at the end of the 3rd or 9th match.

**1.12. FA07\_010B version** (09 Mar 2011).

The related FA-07 Manual is the document 940-M05.

Added customers suggestion:

1. When the "Pause 1 min" is running, the ALT1+END buttons stop the pause and send the request for the end of the match. On the previous 010A version, the ALT1+END function was accepted only if the time was in stop.
2. When the "Pause 1 min" is running, the PRIORITY button (DIE) stops the counting and assigns the "Priority". On the previous version it was necessary to stop the time before to assign the priority.
3. Improvements when the FA-07 is used on LAN.

**1.13. FA07\_010C version** (21 Mar 2011).

The related FA-07 Manual is the document 940-M05.

Modification requested by STM for the interface to their wireless system, according to the new STM documentation: STM Relay is not closed when the time is stopped.

**1.14. FA07\_010D version** (31 Mar 2011).

The related FA-07 Manual is the document 940-M05.

Improvement: If the automatic rearmament is used, it happens also after the end of every match time.

**1.15. FA07\_010E version** (20 Mar 2012).

The related FA-07 Manual is the document 940-M06.

Fix: Reserve keys F1, F2 now works on competitions managed via a LAN connection.

**1.16. FA07\_010F version** (05 Sep 2012).

The related FA-07 Manual is the document 940-M06. Fix: Fixed wrong behaviour on Test 7 regarding the socket 1A and 1B.

**1.17. FA07\_0110 version** (20 Dec 2012).

The related FA-07 Manual is the document 940-M06.

New: Fencer ID field of Cyrano ethernet protocol now forwarded as BIB field of RS422-FPA protocol: ID Field (Cyrano) ---> BIB Field (RS422-FPA)

**1.18. FA07\_0111 version** (08 Gen 2013).

The related FA-07 Manual is the document 940-M06.

New: If a Cyrano server is present on the network (Yellow link LED on), then the match time, the score and the match number can be modified only after [ALT-1]+[BEGIN] and before [ALT-1]+[END].

**1.19. FA07\_0112 version** (16 May 2013).

The related FA-07 Manual is the document 940-M06.

Fix: fixed «End of Match» command when using STM machine. Improvements on RS422 protocol («STM Weapon» type, «PRIORITY» flag, «End of Match» flag). New: added «Extra Match» (tenth match).

**1.20. FA07\_0113 version** (28 Sept 2015).

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The related FA-07 Manual is the document 940-M07.

1. Changed the RS422 Protocol with the new RS422-FPA V3.01 protocol, approved by F.I.E.
2. Changed the chronometer behaviour for the last 10 seconds: Now show seconds and hundredths of a second (tenth of seconds while counting)

**1.21. FA07\_0114 version** (26 Feb 2016).

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The related FA-07 Manual is the document 940-M07.

1. Fixed a RS422 Protocol bug.
2. Improved noise rejection on weapons inputs.
3. Improved test functions.

**1.22. FA07\_0115 version** (17 May 2016).

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The related FA-07 Manual is the document 940-M07.

New: Update to T2016 F.I.E. rules (sabre double hit time from 120 ms to 170 ms).

**1.23. FA07\_0116 version** (03 Apr 2018).

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The related FA-07 Manual is the document 940-M07.

New: To comply with the new F.I.E. rules (technical rules, t.45, Dec 2017), the time for medical break has been changed from 10 to 5 minutes.

**1.24. FA07\_0120 version** (06 May 2019).

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The related FA-07 Manual is the document 940-M07.

New: netmask changed from class C to class B, chronometer management now follows Swiss Timing specification.