

# AIRPLANE FLIGHT MANUAL

## AQUILA AT01



LBA Approved in Normal Category based on JAR-VLA.

This Airplane Flight Manual must be carried on board the aircraft at all times and be kept within the reach of the pilot during all flight operations. The amendment history and revision status of each section of the Airplane Flight Manual are provided in the list of effective pages and in the list of revisions.

This aircraft must be operated in compliance with the procedures and operating limits specified herein.

**SERIAL NO.:** AQUILA AT01-

**REGIST. NO.:** \_\_\_\_\_

Revision A.01 was approved by the Luftfahrt-Bundesamt (LBA) on 30/08/2002 within the scope of the type-certification. All revisions of section 2, 3, 4 and 5 beyond the scope of documentary changes are subject to EASA-approval.

<b>Doc. No.</b>	<b>FM-AT01-1010-100E</b>
<b>First Issued:</b>	<b>05/06/2002</b>
<b>Cover Page Issue No.:</b>	<b>B.03</b>

## INTRODUCTION

With the AQUILA AT01 you have acquired a very efficient training and utility aircraft, which can be operated very easily and which exhibits excellent handling qualities.

Reliable operation, handling and maintenance guarantee trouble-free flights and continued airworthiness.

To ensure this, we recommend that you read this Airplane Flight Manual thoroughly and adhere to the operating instructions and recommendations given herein.

Furthermore, we recommend attending a type training course held by AQUILA trained personnel to obtain a "feeling" for the optimal operation of the aircraft within a shorter period of time.

<b>NOTE</b>
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All limitations, procedures and performance data contained in this handbook are EASA-/LBA-approved and mandatory. Failing to pay attention to the procedures and limits of the handbook can lead to a loss of liability by the manufacturer.

## THE HANDBOOK

The Airplane Flight Manual has been prepared using the recommendations of JAR-VLA Appendix H (issue 26/4/90) "Specimen Flight Manual for a Very Light Aeroplane".

The handbook is presented in loose-leaf form to ease the substitution of revisions and is sized in A5-format for convenient storage in the airplane. Tab dividers throughout the handbook allow quick reference to each section. Tables of Contents are located at the beginning of each section to aid the location of specific data within that section.

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**LIST OF EFFECTIVE PAGES**

Section	approved	Issue No.	Page	Date
0		B.03	0-1 to 0-8	04/03/2014
1		B.01	1-1 to 1-12	12/07/2012
2	X	B.01	2-1 to 2-20	12/07/2012
3	X	B.01	3-1 to 3-16	12/07/2012
4	X	B.01	4-1 to 4-20	12/07/2012
5	(X)*	B.01	5-1 to 5-23	12/07/2012
6		B.01	6-1 to 6-14	12/07/2012
7		B.01	7-1 to 7-32	12/07/2012
8		B.01	8-1 to 8-8	12/07/2012
9		B.03	9-1 to 9-3	04/03/2014

- - partly approved

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**LIST OF REVISIONS**

All implementations of revisions to this manual, except individual weight and balance data, should be entered into the record of revisions on the next page. Revisions must either be approved by the EASA or, in the case of documentary changes in accordance with Part 21A.263(c)(4), by the Design Organization of AQUILA Aviation GmbH.

Additions and revisions to the text in an existing section will be identified by a vertical black line adjacent to the applicable revised area. A new issue code appears in the footer of the pages of the revised section.

The operation of the AQUILA AT01 is only permitted with an Airplane Flight Manual in the current effective status on board the aircraft.

Please refer to our web page [www.aquila-aviation.de](http://www.aquila-aviation.de) whenever the revision status of your Airplane Flight Manual is in question.

<b>Issue No.</b>	<b>Description of Revisions</b>	<b>Revised Section(s)</b>	<b>Approval by AQUILA*/EASA Date/Signature</b>
A.01	First Issue	Alle	30/08/2002
A.02	Installation of Garmin Avionic	0,2,9	13/05/2003
A.03	Editorial corrections	0,4,5,7	16/05/2003
A.04	Supplements for Bendix King equipment	0,9	09/07/2003
A.05	External Power, Supplement for Pointer ELT	0,7,9	09/10/2003
A.06	Winterization Kit	0,2,9	10/03/2004
A.07	KANNAD 406 AF, ELT	0,9	23/06/2005
A.08	Supplements for Garmin Avionic	0,1,4,9	30/06/2005
A.09	Supplement for Bendix King KT 73	0,9	08/07/2005
A.10	Supplement for ARTEX ME406, ELT	0,9	07/03/2008
A.11	Introduction of new Emergency Proc. And various AFM-Supplements	0,3,9	28/08/2008 (EASA)

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<b>Issue No.</b>	<b>Description of Revisions</b>	<b>Revised Section(s)</b>	<b>Approval by AQUILA*/EASA Date/Signature</b>
A.12	Documentary changes	All	28.11.2008
A.13	Supplement Garrecht Mode-S Transponder	0,9	19/03/2009
A.14	Supplement for Day/Night-VFR-Operation	0,7,9	03/09/09 (25.03.2010 EASA)
A.15	Supplement ASPEN EFD 1000 PFD/MFD	0,9	07/12/2009
A.16	Supplement GARMIN G500-System	0,9	22.07.2010
A.17	Changes in supplement for GARMIN G500-sytem	0,9	07.10.2010 (15.11.2010 EASA)
A.18	Normal procedure – Actions introduced by SB-AT01-020	0,4	29.11.2010 (14.01.2011 EASA)
A.19	Documentary changes	0,9	14/09/2011
A.20	Supplement ASPEN PFD and GARMIN G500 for Day/Night-VFR-Operation	0,9	21/03/2012 (20.04.2012 EASA)
A.21	Supplement GARMIN GTN650, GMA 350	0, 9	21/05/2012
B.01	Editorial corrections	All	12/07/2012
B.02	Supplement Trig TT22	0, 9	21/11/2012
B.03	Documentary changes, revised supplement winter kit, supplements Garrecht TRX 1500 and 2000	0, 9	04/03/2014

Revision B.03 of AFM ref. FM-AT01-1010-100E is approved under the authority of  
DOA ref. EASA.21J.025.

  
 04.03.2014  
 Date, Signature Office of Airworthiness

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## RECORD OF REVISIONS

When a new revision to the Airplane Flight Manual is issued, the corresponding sections have to be removed and replaced by the pages of the revised sections.

Only entire sections will be changed and have to be replaced. Each time, when the incorporation of a revision is accomplished, an endorsement has to be made in the record of revisions shown below.

Issue No.	Revised Sections	Date of Issue	Date of insertion:	Inserted by:
A.01	All	05/06/2002	---	---
A.02	0,2,9	20/11/2002		
A.03	0,4,5,7	15/04/2003		
A.04	0,9	19/05/2003		
A.05	0,7,9	30/09/2003		
A.06	0,2,9	10/02/2004		
A.07	0,9	30/07/2004		
A.08	0,1,4,9	30/06/2005		
A.09	0,9	05/07/2005		
A.10	0,9	05/03/2006		
A.11	0,3,9	30/11/2007		
A.12	All	17/09/2008		
A.13	0,9	19/03/2009		
A.14	0,7,9	03/09/2009		
A.15	0,9	07/12/2009		
A.16	0,9	22/7/2010		
A.17	0,9	07/10/2010		
A.18	0,4	29/11/2010		
A.19	0,9	14/09/2011		
A.20	0,9	21/03/2012		
A.21	0,9	21/05/2012		
B.01	All	12/07/2012		
B.02	0, 9	21/11/2012		
B.03	0, 9	04/03/2014		

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## Purchase of Technical Publications

To guarantee safe operation and correct maintenance of the aircraft AQUILA AT01, all manuals and technical publications must be kept in the current effective status.

All manuals and technical publications relating to the aircraft AQUILA AT01 are available from the companies listed below:

### (a) ***AQUILA AT01 related Manuals and Publications***

AQUILA Aviation GmbH  
OT Schönhagen  
Flugplatz  
D-14959 Trebbin

Tel: +49 (0)33731 707-0  
Fax: +49 (0)33731 707-11  
E-Mail: [kontakt@aquila-aviation.de](mailto:kontakt@aquila-aviation.de)  
Internet: <http://www.aquila-aviation.de>  
<http://www.facebook.com/aquilaa210>

### (b) ***Engine ROTAX 912 S related Manuals and Publications***

ROTAX<sup>®</sup> authorized distributor for ROTAX<sup>®</sup> Aircraft Engines of the applicable distribution area.

For contact details of the local authorized distributor for ROTAX Aircraft Engines, please refer to chapter 13 of the ROTAX<sup>®</sup> Operator's Manual for 912 S Engines.

### (c) ***Propeller MTV-21 related Manuals and Publications***

mt-Propeller Entwicklung GmbH  
Flugplatz Straubing- Wallmühle  
D-94348 ATTING

Tel: +49 (0)9429 9409-0  
Fax: +49 (0)9429 8432  
Internet: [www.mt-propeller.com](http://www.mt-propeller.com)  
E-mail: [sales@mt-propeller.com](mailto:sales@mt-propeller.com)

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AQUILA AT01**

Section 0

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## SECTION 9

### SUPPLEMENTS

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### 9.1 INTRODUCTION

In this section, all equipment that is optionally installed in your aircraft is described in AFM-Supplements. Each individual supplement may be related to either a complete modification or a single built-in component or piece of electrical equipment. Only the AFM-Supplements that apply directly to the effective equipment configuration of your aircraft must be contained in this section following paragraph 9.2.

Paragraph 9.2 "Index of Supplements" lists all existing approved AFM supplements for the AQUILA AT01. This table may be also used as a directory for this section, appropriately adapted to your aircraft.

If your aircraft has been modified at a Maintenance Organization other than AQUILA Aviation on the basis of a STC, it is the owner's responsibility to ensure that the relevant AFM supplement is inserted in this manual and properly recorded in the index of supplements in paragraph 9.2.

<b>NOTE</b>
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For some of the devices listed below it is possible to perform a software update. These will be released on our website ([www.aquila-aviation.de](http://www.aquila-aviation.de)) by an appropriate SI (Service Information). The current software version on your machine, see the chapter 6.5.1 Equipment List.

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## 9.2 INDEX OF SUPPLEMENTS

<b>Registration:</b> -	<b>S/N:</b> AT01-
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Supplement No.	Title	Pages	Issue	Installed
AVE1	Bendix King NAV/COM KX 125	AVE1-1 to 8	A.01	
AVE2	Bendix King Transponder KT 76A	AVE2-1 to 6	A.01	
AVE3	Emergency Locator Transmitter (ELT) ACK E-01	AVE3-1 to 4	A.01	
AVE4	Garmin GMA 340 Audio System	AVE4-1 to 6	A.02	
AVE5	Garmin GNS 430 GPS Navigator	AVE5-1 to 6	A.02	
AVE6	Garmin GTX 327 Transponder	AVE6-1 to 8	A.02	
AVE7	Bendix King Transponder KT 76C	AVE7-1 to 6	A.04	
AVE8	Multifunction Display/GPS KMD 150	AVE8-1 to 6	A.04	
AVE9	Emergency Locator Transmitter Pointer Model 3000-11 (ELT)	AVE9-1 to 8	A.05	
AVE10	Winterization Kit	AVE10-1 to 4	A.07	
AVE11	Emergency Locator Transmitter KANNAD 406 AF/AF-Compact	AVE11-1 to 10	A.11	
AVE12	Garmin GTX 330 Mode S Transponder	AVE12-1 to 11	A.08	
AVE13	Garmin GNS 530 GPS Navigator	AVE13-1 to 8	A.08	
AVE14	Bendix King Transponder KT 73	AVE14-1 to 8	A.09	
AVE15	ARTEX ME406 Locater Transmitter (ELT)	AVE15-1 to 8	A.10	
AVE16	NAV/COM Transceiver GARMIN SL 30	AVE16-1 to 12	A.11	

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Supplement No.	Title	Pages	Issue	Installed
AVE17	GPS and Multifunctional Display FLYMAP L	AVE17-1 to 12	A.11	
AVE18	FLARM Collision Warning System	AVE18-1 to 10	A.11	
AVE19	Flight Data Logger KAPI Air Control FDR 07	AVE19-1 to 8	A.11	
AVE20	Mode S Transponder GARMIN GTX 328	AVE20-1 to 10	A.11	
AVE21	COM Transceiver GARMIN SL 40	AVE21-1 to 10	A.11	
AVE22	GARRECHT VT-02 Mode S Transponder	AVE22-1 to 9	A.01	
AVE23	Day-VFR and Night-VFR-Operation	AVE23-1 to 18	A.02	
AVE24	ASPEN EFD 1000 – PFD ( only SNs listed in SB-AT01-021)	AVE24-1 to 8	A.02	
AVE25	ASPEN EFD 1000 – MFD	AVE25-1 to 8	A.02	
AVE26	GARMIN G500 PFD/MFD System ( only SNs listed in SB-AT01-021)	AVE26-1 to 10	A.03	
AVE28	ASPEN EFD 1000 - PFD Night-VFR	AVE28-1 to 22	A.01	
AVE29	GARMIN G500 Night-VFR	AVE29-1 to 22	A.01	
AVE30	GARMIN GTN 650	AVE30-1 to 11	B.01	
AVE31	GARMIN GMA 350	AVE31-1 to 5	B.01	
AVE32	reserved			
AVE33	reserved			
AVE34	Trig TT-22	AVE34-1 to 11	A.01	
AVE35	Garrecht TRX 1500	AVE35-1 to 8	A.01	
AVE36	Garrecht TRX 2000	AVE36-1 to 8	A.01	
AVE Photo1	Modifications for Measuring and Photo Flight Operations	AVEPhoto-1 to 24	A.01	

Equipment marked “installed” is installed in the aircraft and the associated supplements are inserted in this manual.

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Date

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Sign

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