

Date	Setup File Name	Remarks
22/07/2008	Composer2. 19. 5.0 22July2008	<p>Update for the previous version while maintaining full compatibility with Composer2. 19. 2.3 02March 2008</p> <p>The main difference is:</p> <p>Fix bug: Open CAN Communication Problem</p> <p>NOTE: It is strongly recommended that you save and back up the previous Motor database before beginning the installation.</p> <p>During the installation, the previous Motor dB will be exchanged for the new version.</p>
02/03/2008	Composer2. 19. 2.3 02March 2008	<p>Update for the previous version while maintaining full compatibility with Composer2. 18. 1.0 12September 2007</p> <p>The main differences are:</p> <ul style="list-style-type: none"> • Added supports for SimplIQ family of digital servo drivers: <ul style="list-style-type: none"> ▪ Guitar ▪ Bell • Added supports for ExtrIQ family of digital servo drivers: <ul style="list-style-type: none"> ▪ Hawk <p>Updated support for absolute rotary and linear positional sensor – EnDat with special handler.</p> <p>NOTE: Strongly recommended store previous Motor Data Base before installation. During installation previous Motor Data Base will be exchanged to new version.</p>
12/09/2007	Composer2. 18. 1.0 12September 2007	<p>Update for the previous version while maintaining full compatibility with Composer2. 18. 0.5 08 July 2007</p> <p>The main difference is:</p> <ul style="list-style-type: none"> • Update Motor Data Base (Nippon Pulse Motor / GMC includes) <p>NOTE: It is strongly recommended that you save and back up the previous Motor database before beginning the installation.</p> <p>During the installation, the previous Motor dB will be exchanged for the new version.</p>

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09/07/2007	Composer2. 18. 0.5 08 July 2007	<p>Update for the previous version while maintaining full compatibility with Composer-2. 18. 0.3 07 February 2007</p> <p>The main difference is:</p> <ul style="list-style-type: none"> • Fix bug - 50A limitation
07/02/2007	Composer-2. 18. 0.3 07 February 2007	<p>Update for the previous version while maintaining full compatibility with Composer-11September2006</p> <p>The main difference is:</p> <ul style="list-style-type: none"> • Update support for absolute rotary and linear positional sensor – EnDat 2.1. • Update support for absolute rotary and linear positional sensor HiperFace
11/09/2006	Composer-11September2006	<p>Update for the previous version while maintaining full compatibility with Composer_Setup_13August2006</p> <p>The main difference is:</p> <p style="padding-left: 40px;">Bug fix: “problem updating linear motor parameters “</p>
14/08/2006	Composer_Setup_13August2006	<p>Update for the previous version while maintaining full compatibility with Composer 2. 17. 0. 4 14May2006</p> <p>The main differences are:</p> <ol style="list-style-type: none"> 1. Update Elmo Studio (ver. 2.18.0.4 26 July 2006) 2. Added support for the SimplIQ family of digital servo drivers: <ul style="list-style-type: none"> • Didge • Tweeter
15/05/2006	Composer 2. 17. 0. 4 14May2006	<p>Update for the previous version while maintaining full compatibility with Composer 2. 16. 0. 0 01Decemberr2005</p> <p>The main differences are:</p> <ul style="list-style-type: none"> • TCP/IP communication with Maestro can be set in case of several network interfaces. • Added support for the new Didge digital servo driver . • Added support for the absolute rotary positional sensor – EnDat 2.1. • Added support for the absolute rotary positional sensor HiperFace.

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01/12/2005	Composer 2. 16. 0. 0 01Decemberr2005	<p>Update for the previous version while maintaining full compatibility with Composer2_14_0_0_115September 2005</p> <p>The main differences are:</p> <ul style="list-style-type: none"> • Improved Composer Setup
19/09/2005	Composer 2. 14. 0. 1 15September2005	<p>Update for the previous version while maintaining full compatibility with Composer2_13_0_0_07July2005</p> <p>The main differences are:</p> <p>Added support for the following feedbacks:</p> <ul style="list-style-type: none"> • Coarse-Fine Absolute Encoder
07/07/2005	Composer2_13_0_0_07July2005	<p>Update for the previous version while maintaining full compatibility with Composer2_12_0_2_05October2004</p> <p>The main differences are:</p> <p>Added support for the following feedbacks:</p> <ul style="list-style-type: none"> • Analog Hall <p>Added supports for SimplIQ family of digital servo drivers:</p> <ul style="list-style-type: none"> • Tuba • Cornet • Whistle <p>Updated Advanced Filter Designer</p> <p>In this version of the Composer, features were added that could not be supported by the Clarinet\MiniSax\Saxophone products.</p> <p>Windows NT/2000/XP is supported as of this version of the Composer.</p>
05/10/2004	Composer2_12_0_2_05October2004	<p>Update for the previous version while maintaining full compatibility with Composer2_10_2_0_22April2004eng</p> <p>The main differences are:</p> <p>Added support for the following feedbacks:</p> <ul style="list-style-type: none"> • Analog encoder • Tachometer • Potentiometer

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22/04/2004	Composer2_10_2_0_22April2004eng.zip	<p>Update for the previous version while maintaining full compatibility with Composer2_10_1_026Feb2004.zip</p> <p>The main differences are:</p> <p>Added supports of resolver for family of digital servo drivers - SIMPLIQ</p>
26/02/2004	Composer2_10_1_026Feb2004.zip	<p>Update for the previous version while maintaining full compatibility with Composer2_9_0_1_2Oct2003.zip</p> <p>The main differences are:</p> <p>Support for the digital servo drivers - SIMPLIQ:</p> <ul style="list-style-type: none"> • Harmonica • Cello • Bassoon • Banjo • Trumpet
02/10/2003	Composer2_9_0_1_2Oct2003.zip	<p>Update for the previous version while maintaining full compatibility with Composer 26. 0. 0 1 Jun03</p> <p>The main differences are:</p> <ul style="list-style-type: none"> • Wizard added to enable tuning of the DC motor • Wizard added to enable tuning of the motor with Analog encoder

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05/06/2003	Composer2.6.0.1 5Jun03.zip	<p>Update for the previous version while maintaining full compatibility with Composer 1. 3. 0. 0 15Jan02</p> <p>The main differences are:</p> <ul style="list-style-type: none"> • Transparently works with CAN communication cards of the following companies: <ul style="list-style-type: none"> IXXAT Kvaser Softing • Improved wizard (current ,speed, position and dual loop) • Wizard for the Motor database to enable Add/delete user's motor • Smart Terminal added following folders: <ul style="list-style-type: none"> ▪ Profile ▪ Noise Filter (for Encoder and Digital Inputs) ▪ Protections (Motor Stuck, Over/Under Voltage, Brake, Tracking Error Limit) ▪ Limits (Current, Velocity, Position, Modulo) ▪ Input Logic ▪ Output Logic ▪ Custom (enable Save/Load configuration) • Added Tools > Advanced Manual Tuning option to menu

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15/01/2002	Composer 1. 3. 0. 0 15Jan02.zip	<p>Update for the previous version while maintaining full compatibility with Composer15Apr2001</p> <p>The main differences are:</p> <ul style="list-style-type: none"> • Works with both VCI1 and VCI2 • Multi-axes and Network • Improved wizard (speed, position and dual loop) • CAN firmware download • New version of application (binary) • Up/Download application (binary) • Include Application editor • Compatibility with previous versions(separate wizard DLLs) • SYNC manager (for CAN) • changes/upgrades to Open Existing Application • Property for communication CAN and RS232. • Auto baud rate search is obsolete • RS232 com port auto detected is obsolete
15/05/2001	Composer15Apr2001.zip	<ul style="list-style-type: none"> • Update for previous version • Fix bugs: <ul style="list-style-type: none"> ▪ File *.abs for download may be with any attributes (read only too) ▪ Application speed limit \leq Max Motor Speed ▪ Velocity in velocity tuning \leq Application speed limit ▪ Includes a new version of the AutoTuning DLL ▪ Last help version

Date	Setup File Name	Remarks
14/02/2001	ComposerSetup14/02/2001	<ul style="list-style-type: none"> • Update for previous version • Improved AutoTuning <ol style="list-style-type: none"> 1. Add algorithm of Decreasing Encoder's Nose. 2. Enable to use Advanced Filter in Manual Mode. • In wizard: <ol style="list-style-type: none"> 1. Setup parameters of commutation was moved to start of Wizard (after Motor DB window) 2. Add control method of checking commutation parameters. In case that one of parameters was changed "Composer" tries to prevent skip commutation step (sends messages, blocks skip button, changes label text and color in Establish Commutation window) 3. If current tuning doesn't perform Composer sends a prevent message • Application DB: <ol style="list-style-type: none"> 1. Was add new parameters • This version of Composer is compatible with FW: <ul style="list-style-type: none"> SAX14_02.abs CLA14_02.abs
22/11/2000	ComposerSetup22112000	<ul style="list-style-type: none"> • Update for previous version • Improved AutoTuning • This version of Composer is compatible with FW: <ul style="list-style-type: none"> ▪ SAX17_11.abs ▪ CLA17_11.abs
06/11/2000	Setup24102000	<ul style="list-style-type: none"> • Update for previous version • Improved AutoTuning • Line and Column counter was added in Program Editor

Date	Setup File Name	Remarks
04/10/2000	Setup04102000	<ul style="list-style-type: none"> • The communication became more <u>reliable</u>. • Add option for "<u>Direct Communication</u>". • Scope stores all the parameter settings, which can be reloaded in a future session. • Added <u>Analog Input1</u> and <u>Analog Input2</u> to the list of Trigger's parameters. • Enabled Select Motor Type (Linear or Rotating Brush and Rotating Brushless) in the Motor DB Wizard window. • Added new parameter: <u>Application Limit Speed</u> (VH[2] and VL[2] commands). The value of the parameter must be less than Maximum Mechanical Speed value. • The Wizard is used to set the default value for the Over Speed Limit (HL[2] and LL[2] commands). There are edit boxes (speed limits) in the Kinematic folder of the Smart Terminal that are context-related to these changes. HL[2]=VH[2]*1.25 LL[2]=VL[2]*1.25 • Encoder only: Changes/upgrades to the algorithm for Establish Commutation • Improved Algorithms for <u>Velocity and Position Auto Tuning</u>. • Added the <u>Body Plot</u> review option in the auto-tuning Wizard windows. • Added new parameters in Application Data base. • <u>The Application Download</u> generated from the Existing Application list displays the full list of communication parameters (Baud Rate, Port etc.). • Select Application Name from Existing Application list window. • For RS232 protocol, the communication port is established automatically. This enables an application created with <u>COM1</u> to connect with <u>COM2</u> and vice versa. • Firmware Download recognizes <u>driver type</u> and <u>firmware version</u> automatically. If there is a discrepancy between them or firmware is damaged, a notification is sent.

Date	Setup File Name	Remarks
09/07/2000	Setup02072000.zip	The Composer supports the RS485 communication protocol
16/05/2000	Setup16052000.zip	<ul style="list-style-type: none"> • The Composer supports the SAX with resolver • Motion Monitor now displays Position Error and Auxiliary Positions
19/04/2000	Setup19042000.zip	<ul style="list-style-type: none"> • Fixed bug in wizard (in current tuning SAX only)
18/04/2000	Setup18042000.zip	<ul style="list-style-type: none"> • Composer now supports two types of CAN cards for STZP(IXXAT) iPC-I 386 and tinCAN • Composer supports CAN OPEN protocol excluding the Firm Down Load (in this version of Firm Down Load only RS232 is supported) • PVT works with CAN only • Recorder, Wizard (RS232,CAN) • New options in Velocity AutoTuning(RS232,CAN) • New options in Position AutoTuning(RS232,CAN)
01/03/2000	Setup01032000.zip	<ul style="list-style-type: none"> • Only the velocity auto tuning can turn the notch-filter ON or OFF (if it is necessary) • Fix bug - The toolbar button Save All saves the parameters and Application • Fix bug - In the Scope window, the File/Save As and File/Save options are now functional. • Fix bug - Save the following parameters: KP[3],KI[3],KD[3],HL[3],LL[3]to the Application dB • Fix bug - An unnecessary messages was deleted
15/02/2000	Setup15022000.zip	<ul style="list-style-type: none"> • CAN communication: This version works with PC CAN PC-I 03 card • CAN communication & PVT motion mode: Due to the limitation of the PC CAN PC-I 03 card, the Composer cannot send PVT data to the drive while recording. This mode requires an active CAN card that is not supported yet. As a temporary solution we recommend opening two instances of the Composer. Use one instance to send the PVT data and use the second instance (RS232) for recording. • Tuning Wizard: A <u>Beta version</u> of the velocity auto tuning feature was added to the wizard velocity tuning page.

Date	Setup File Name	Remarks
31/01/2000	setup31012000.zip	<ul style="list-style-type: none">• Tuning Wizard: Added the DC brush motor feature to the tuning wizard.
16/01/2000	setup16012000.zip	<ul style="list-style-type: none">• Smart Terminal: Added the position tab to the folders section.• Tuning Wizard: Added the position tuning feature.