RevolutionEHR

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Marco Device Integration Guide

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Overview

This document is intended to provider a set of step-by-step instructions on how to install, configure, and enable the integration between RevolutionEHR and Marco devices via the Marco Connect software.

Supported Devices

The following is a list of the devices support with the RevEHR – Marco interface:

Nidek RT-2100
Nidek RT-3100
Nidek RT-5100
Nidek ARK-500A
Nidek ARK-510A
Nidek ARK-530A
Nidek ARK-560A
Nidek ARK-700A
Nidek ARK-730A
Nidek ARK-760A
Nidek ARK-10000
Generic ARK
Nidek LM-500
Nidek LM-600
Nidek LM-1000
Nidek LM-1200
Nidek LM-1800
Generic LM
Nidek RKT-7700
Nidek TonoRef2
Nidek OPD Scan3

If you have a device not currently supported, please contact RevolutionEHR to inquire about future support of this device.

Contact Information

RevolutionEHR
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marco@revolutionehr.com

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Marco Installation and Configuration

The installation of the RevEHR – Marco interface consists of:

1. Connecting the device(s) to the host computer
2. Installing the Marco Connect software on that host computer

For information on both of these topics, please refer to the following Marco web site:

http://www.marcoconnect.com

During the installation and configuration process for the Marco Connect software, you will come to a screen like this:

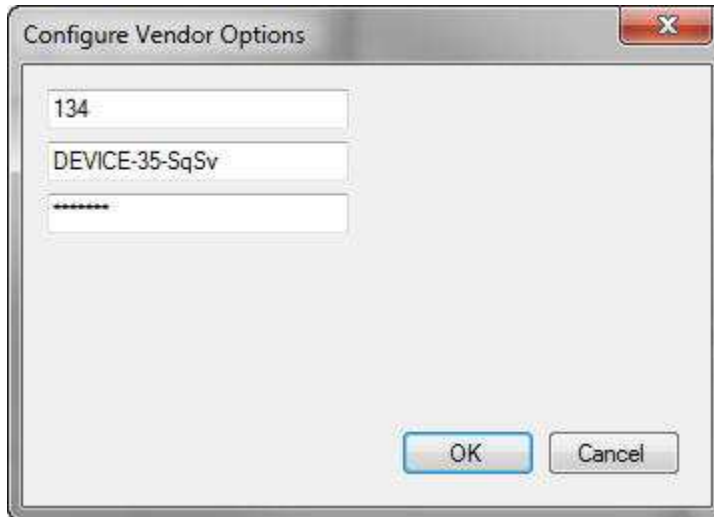Select RevolutionEHR from the output format dropdown and then press the Configure button. You will then see a screen like this:

These fields are needed to enable access to the RevolutionEHR system from the Marco Connect software. You get this information from the RevolutionEHR application. The fields above are (in order):

- The office ID of the office on which you are running this Marco Connect software (Each office has a specific/unique ID)
- The username
- The password

To get the Username and Password values, you need to login to RevolutionEHR, go to Administration > General > Practice Preferences. On the Partner Integration tab, you will see a "Device Interfaces" section that will list the various device interfaces. Enable the Marco interface and you will then be given a User name and Password.

You can find the location/office ID from the Administration screen under Locations.

RevolutionEHR Test Configuration

For RevolutionEHR, there is no software to install. Data captured by Marco Connect will be sent directly to the correct patient and exam within Revolution. However, in RevolutionEHR, you will need to have the correct tests configured in order to store the data sent by the Marco Connect software. The tests can be on any screen, but they MUST be in the encounter template. The tests can be added on the fly if you find that your current template doesn't include the required tests. However, we recommend that when you do have that situation, you subsequently add the necessary tests to your encounter template configuration.

Note that if you have two instances of one of these tests within the encounter, the interface will store the data in one of the tests, but there is no guarantee which instance will get the data.

Which tests are required depends on which device is sending the data. The following table identifies the Marco device and the corresponding tests that must be configured in the patient's encounter template.

Device	RevolutionEHR Tests
Nidek RT-2100 Nidek RT-3100 Nidek RT-5100	Aided Visual Acuity Uncorrected Visual Acuity Pupils Keratometry Lensometry With Prism Autorefraction Refraction – Nearpoint Final Refraction With Prism Accommodation/Near Add Vergences NCT[1]
Nidek ARK-500A Nidek ARK-510A Nidek ARK-530A Nidek ARK-560A Nidek ARK-700A Nidek ARK-730A Nidek ARK-760A	Keratometry Autorefraction
Nidek LM-500 Nidek LM-600	Lensometry With Prism
Nidek LM-1000 Nidek LM-1200	
Nidek RKT-7700	NCT

Nidek TonoRef2	Keratometry
	Autorefraction
Nidek OPD Scan3	OPD
	Keratometry

[1] – This test is needed only if you are using the Marco M3 or TonoRef2 device in addition to the RT-2100/3100/5100.

Running the software

Following the Marco installation and configuration, you should now be able to run the Marco Connect software. The Marco Connect icon should be on the desktop of the computer on which it was installed. Launch the software by double clicking the icon. This will bring up the following login screen:

The username and password that are to be entered on the screen are your RevolutionEHR credentials (i.e. what you use to log in to RevolutionEHR). Once logged in, you will see a list of patients/exam like this:

These are patients who have checked in and are in the office (encounter is active and not marked complete). Select the patient on whom you are doing the testing by pressing the Select button next to the desired patient.

NOTE: You do **not** need to be running or logged into RevolutionEHR while running the Marco Connect software. The Marco Connect software communicates directly with the RevolutionEHR servers and thus, you do not need to be logged into RevolutionEHR for the interface to work. In fact, since the RevolutionEHR exam screens do not automatically refresh, you will need to close the patient's encounter and reopen in order to see any data pushed via the RevEHR – Marco Connect interface. The imported data will be available, however, on screens that do provide a refraction lookup.