


# Instruction Manual

## Nasco Healthcare NextGen TERi™ & DANI™ Plus



- LF04601 - NextGen TERi™ Plus, Light Tone
- LF04601M - NextGen TERi™ Plus, Medium Tone
- LF04605 - NextGen DANI™ Plus, Light Tone
- LF04605M - NextGen DANI™ Plus, Medium Tone

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# Product Overview

NextGen TERi™ & DANi™ Plus prepares learners for real-world patient care with training solutions that evolve from essential skills to advanced clinical procedures. From basic patient care and vital signs to skills such as airway management and ECG practiced in interactive, team-based scenarios, this product supports all kinds of curriculum needs.

## Plus Configurations

### TERi™ Versions:

LF04601 – NextGen TERi™ Plus, Light

LF04601M – NextGen TERi™ Plus, Medium

### DANi™ Versions:

LF04605 – NextGen DANi™ Plus, Light

LF04605M – NextGen DANi™ Plus, Medium

# What's Included

## Hardware

- TERi™/DANI™ Patient Skills Trainer with integrated sensors
- 14.4" Patient Monitor w/Case
- 12.4" Controller Tablet
- WiFi Router

## Software (Pre-Installed, Perpetual License)

- Patient Monitoring System Software
- Controller System Software

## Devices

- BVM
- ECG Box & Leads
- SpO2 Clip
- Thermometer
- BP Cuff & Module

Also included: all required accessories including, but not limited to: connective cables, charging cables, batteries and power cables.

## Contents will be shipped in the following configuration:

- Box 1: Simulation Devices and Patient Monitor Tablet
- Box 2: Simulation Devices, Wi-Fi Router
- Box 3: Next Gen TERi™/DANI™ Manikin, BVM, Control Tablet and Accessories.

## **Patient Care Skills:**

- Grooming, bathing, daily living assistance, movement assistance and patient positioning
- Skin care, tracheostomy and wound care
- Pelvic and prostate exams

## **Airway & Respiratory**

- Intubation with feedback
- Ventilation with feedback
- CPR with feedback

## **Vitals Monitoring:**

- Blood pressure
- Temperature
- SpO2

## **Cardiac Skills, Vascular Access & Injections**

- ECG placement and monitoring
- Simulated Defibrillation
- Ostomy care, stomas, pericare, and more
- Urinary catheterization
- IV arm
- Gastrostomy and NG tube insertion

## **Scenario Control & Feedback**

- Scenarios
- Logs and provides real-time feedback

## Initial Product Setup

To ensure full functionality, be sure to complete all battery installations, charge all rechargeable devices, and complete manikin setup according to the following instructions:

### Complete battery installation for the following devices (all batteries included):

- SpO2 monitor (takes 2 AAA batteries)
- CPR Feedback Box (takes 6 AAA batteries): Located inside of the manikin. To install batteries, remove genitals, reach into the pelvis and remove the CPR control box which is in place using hook and loop, onto the back (interior) side of the pelvis. After installing the batteries, put the box back in on the Velcro pad and re-install the genitals.

### Fully charge the all devices via included USB-C cables:

- Blood Pressure module
- Thermometer
- ECG module
- Controller tablet
- Patient Monitor tablet

## Manikin setup

- Position the manikin as desired and attach the arms and legs, plugging in all electronic connectors.
- Follow standard manikin setup instructions for TERi™ or DANi™. (See manikin instruction manuals, attached separately)
- Power on the manikin using silver power switch on rear right hip. Green indicator light on the power switch and on the CPR Feedback box (internal) will illuminate to indicate active status.

## Controller Tablet Configuration and Setup

Once these steps have been completed, turn on the controller tablet and follow the following steps:

1. Open Settings → Wireless & Network → Wi-Fi and connect to the designated Wi-Fi network
2. Select the connected network and open Advanced Settings to set IP configuration to Static.
3. Enter IP Address: 192.168.1.165; Subnet mask, gateway, and DNS are default network values.
4. Select Save or Apply
5. Swipe up from bottom of screen in landscape view to view all apps. Find and launch the “Controller” app.

## Patient Monitor Tablet Configuration and Setup

1. Turn on the Patient Monitor
2. Connect the Monitor to the same Wi-Fi Network as the controller
3. Swipe up from bottom of screen in landscape view to view all apps. Find and launch the “Monitor” app.

# Controller Operation

## Vital Signs & Waveforms

The Controller allows adjustment of:

- Heart Rate (HR)
- Blood Pressure (BP)
- SpO<sub>2</sub>
- Respiratory Rate (RR)
- CO<sub>2</sub> (if enabled)
- Blood glucose (if enabled)

### Adjusting Vital Signs

1. Select the active scenario.
2. Use sliders to adjust parameters.
3. Select Send to synchronize with the Monitor.

### Changing Waveforms

1. Select the waveform icon.
2. Choose the desired waveform.
3. Changes synchronize automatically.

## Scenario Control

The Scenario panel displays stage status:

- Not Started
- In Progress
- Completed

Selecting a stage updates the Monitor with that stage's programmed vital signs.

## **CPR Feedback**

When CPR is performed, the Controller provides real-time metrics:

- Compression rate
- Compression depth
- Recoil
- Correct compression count
- Ventilation volume
- Ventilation interval
- Total ventilation count

To activate the CPR sensor, press the CPR switch on the right side of TERi's waist. It should turn green. After 5 seconds, the device will connect. Confirm the connection on the Controller and begin CPR.

## **Patient Information & Tasks**

On the Controller, instructors can access a Task List that displays required tasks for the current stage. Tasks may be manually checked off.

Patient data Includes the following:

- Name
- Age
- Gender
- Difficulty level
- Case description

After training, performance data is automatically uploaded for instructor review.

# Case Management (Via Controller)

## Configurable fields:

- Case name
- Patient demographics
- Difficulty level
- Duration
- Target audience
- Case summary

## Scenario Builder

For each stage, users may configure:

- HR & waveform
- BP & waveform
- SpO<sub>2</sub>
- CO<sub>2</sub> & waveform
- RR
- Blood glucose

Users may also:

- Add CPR or defibrillation events
- Define post-intervention vital sign transitions

## **ECG Monitoring**

### Setup & Use

1. Enable ECG in Controller.
2. Press and hold ECG power button (3 seconds).
3. Connect HDMI cable and ECG sensor cable.
4. Attach ECG leads to correct electrode positions.
5. The ECG waveform will display on the Monitor.

## **SpO2 Monitoring**

### Setup & Use

1. Enable SpO2 in Controller.
2. Power on pulse oximeter (hold 3 seconds).
3. Attach to simulator finger.
4. Waveform displays automatically.

## **Body Temperature**

### Setup & Use

1. Power on thermometer (hold 3 seconds).
2. Enter target temperature in Controller.
3. Select Send.
4. Insert thermometer into axilla.
5. Wait approximately 5 seconds for reading.

## **Blood Pressure Measurement**

### Setup:

1. Activate blood pressure module.
2. Power on cuff.
3. Power on stethoscope.
4. Enable BP function in Controller.

### Measurement:

1. Secure cuff to simulator arm with sensor facing upward.
2. Select Start on Monitor.
3. Position stethoscope at auscultation point.
4. Determine systolic and diastolic pressure based on audible heart sounds during cuff inflation/deflation.

## **Defibrillation (Simulated)**

The system supports adjustable joule settings and charging and discharge simulation. ECG waveform updates in real time after discharge.

## **Vital Signs Displayed:**

- Heart rate & ECG waveform
- SpO<sub>2</sub> & waveform
- Systolic/diastolic BP
- CO<sub>2</sub> & waveform
- Respiratory rate

All parameters are controlled via the Controller.

## **Alarm Settings**

Users may configure alarm thresholds for:

- HR
- SpO<sub>2</sub>
- BP
- CO<sub>2</sub>
- RR

The Monitor triggers alerts when limits are exceeded. Alarms may be temporarily muted.

## **Waveform Layout**

Selectable waveform display formats:

- 4-wave layout
- 6-wave layout
- 8-wave layout

# Waveforms Included

Sinus Rhythm	Acute Inferior myocardial infraction STEMI1
Sinus Rhythm 2	Acute Inferior myocardial infraction STEMI2
Sinus bradycardia with anorexia nervosa	Large anterior myocardial infraction
Complete right bundle branch block	Lower myocardial infraction
Incomplete right bundle branch block	Ventricular fibrillation 1
Right bundle branch block	Ventricular tachycardia
Left bundle branch block	Ventricular escape rhythm
LAFB	Front Side NSTEMI
Type 1 second degree atrioventricular block	Front STEMI
Type 1 first degree atrioventricular block	Lower part STEMI 2
Type 2 second degree atrioventricular block 2:1	Lower Parts STEMI3
Type 2 second degree atrioventricular block 3:1	STEMI Inferior 4
Type 2 second degree atrioventricular block 4:1	Frequency of atrial border treatment and placement
3rd degree atrioventricular block	Interference with R-segment Process
Bifascicular block	T Terminal Negative
Atrial ventricular rhythm	

## General Care

- Most cleaning can be done with a soft cloth, mild soap, and warm water. Avoid over washing the painted areas on the manikin.
- Stubborn stains can be treated by using Nasco Cleaner and a soft cloth.
- Stains caused by make-up, ink, and newsprint are indelible and cannot be removed. Avoid contact with these substances and do not apply cosmetics or Betadine® solution to the manikin.
- Follow cleaning, care, storage, and maintenance guidelines in each section of this manual.
- Remove all batteries prior to storing your equipment for future use.

## Cautions

Solvents or corrosive materials will damage the simulator. Never place the simulator on any kind of printed paper or plastic. These materials will transfer indelible stains. Ball-point pens will also make indelible stains. Do not store in direct sunlight.

## Storage

In order to prepare the manikin for storage perform a normal manikin breakdown procedure by removing all of its limbs and packaging them neatly in its case (preferably in the same packaging offered when first purchased). In addition, be certain to follow these instructions:

- Storage temperature should not exceed 122° F (50° C) or fall below 41° F (5° C) in a (noncondensing) relative humidity free environment.
- If a soft-sided case is being used, the manikin should lie flat.
- The manikin should NEVER be stored or shipped with fluids in the system.

# Extension/Upgrade Options

NextGen TERi™ & DANI™ is a modular and scalable product platform. To upgrade from one tier to the next, please contact your sales director to upgrade software and purchase additional required simulated medical devices.

If your software license is due to expire, please contact your sales director to extend your software license.

# Warranty/Software License

Item	Warranty
Manikin	5-year warranty on manikin; 2-year warranty on embedded electronics
Patient Monitor Tablet	See manufacturer's warranty (if any)
Patient Monitor Case	2-year warranty
Controller Tablet	See manufacturer's warranty (if any)
WiFi Router	See manufacturer's warranty (if any)
Simulated Medical Devices	2-year warranty

Item	Warranty/License
Patient Monitoring System Software	5-year warranty/perpetual license
Controller System Software	5-year warranty/perpetual license

## Controller Tablet

- 12.4-inch Dynamic AMOLED 2X display
- 1752×2800 resolution
- 120Hz refresh rate
- 12GB RAM and up to 512GB internal storage
- Connectivity: USB-C 3.2
- Wi-Fi 6E
- Bluetooth 5.3
- OS: Android 14

## Monitor Tablet

- **Xiaomi:**
  - 14-inch LCD display
  - 2880×1800 resolution
  - 120Hz refresh rate
  - 16GB
  - Connectivity: Wi-Fi 6
  - Bluetooth 5.3
  - USB-C
  - OS: Android 14.
- **Samsung Galaxy S10**
  - 14.1-inch version
  - LCD display
  - 120Hz refresh rate
  - 16GB RAM
  - OS: Android 14

## WiFi Router

- Dual-band Wi-Fi 6
- 2.4GHz: 574Mbps; 5GHz: 2402Mbps.
- Qualcomm IPQ5000 dual-core 1.0GHz CPU with dedicated NPU
- 256MB RAM
- WPA3 encryption
- Mesh networking, and app/web management
- Ports: 1× Gigabit WAN, 3× Gigabit LAN.