

NHX-50M Master Station



DESCRIPTION:

The NHX-50M Master Station is the central point of the CommuniCare system, able to receive two levels of calls and communicate with up to 50 room stations. The optional 30-call add-on selector allows expansion up to 80 stations. The membrane-style control panel is simple to use, has tactile switches, and is mar-resistant and moisture-resistant, resisting damage from spills.

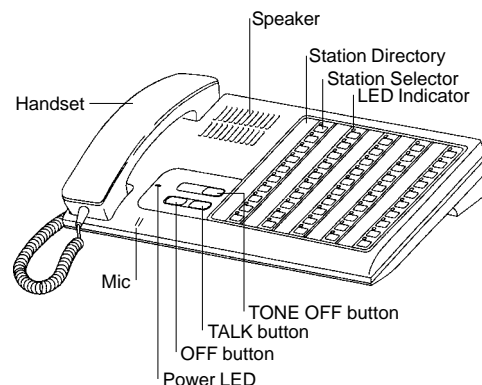
The master station includes a handset for voice actuated communication, with a magnetic hookswitch (no moving parts). Controls include TALK button for "push-to-talk" communication, TONE OFF button to silence call tone, and OFF button to conclude communication. Easily adjustable voice and tone volume controls are located on the side, with all other volume controls located on the bottom of the unit.

OPERATION:

Routine calls are annunciated with a slow flashing LED and an intermittent call tone. Calls from a bath station annunciate a faster flashing LED and faster tone. Bedside cord pulled out of patient station sounds rapid tone and activates fast flashing LED. Pick up the handset or press TALK to answer, and the highest priority call will be automatically connected. Hang up handset or press OFF to conclude. To initiate a call, press the room station selector button and TALK button, or pick up handset. Bathroom calls have priority over routine calls, and will be answered first. Otherwise, calls will be answered in the order received.

FEATURES:

- Microprocessor Controlled
- Compact slimline design
- Routine Call and Bathroom Call annunciated by slow or fast flashing LED and tone
- Alert tones for --
 - Callcord pulled out of patient station
 - Wires disconnected at patient station
 - Handset left off-hook for 90 seconds
- Auto-connect to next call in priority
- Handset or Push-to-Talk Communication
- Tone Off button
- Desk or Wall Mount



ARCHITECTS/ENGINEERS SPECIFICATIONS:

Nurse master station shall be Aiphone model NHX-50M, constructed of high-impact ABS fire-retardant plastic, with handset, OFF, TALK, and TONE OFF controls. Power LED indicator shall be visible at all times.

Channel selectors and call LEDs shall be displayed on master console in vertical rows of 10 stations. Membrane-style control panel shall be constructed of a mar-resistant and moisture-resistant material over tactile select switches. Control and selector points shall be slightly raised for easy tactile activation.

Master station shall produce two distinct audible alert tones, indicating a routine or bathroom call. A third alert tone shall indicate cord-out status. A warning tone shall indicate a room station disconnected from the system. If the handset is left off-hook for more than 90 seconds, a warning tone shall be heard. If a call is not answered within 90 seconds, the call tone volume shall go to its highest level, regardless of setting.

A 30-call add-on selector, model NHX-30G, shall be available to expand the system capacity to 80 room stations. No additional wiring to the master station shall be required.

Wiring to Central Control Unit shall be 5 twisted pair low capacitance cable with an overall shield. Cable size greater than 22AWG shall not be acceptable.

Physical size of the 50-call master station shall not exceed 3-1/4" x 11" x 8-1/4".

Equipment shall be UL 1069 listed, and system components shall be provided by a manufacturer having ISO 9001 certification for quality standards.

CONTROLS AND INDICATORS:

- TALK button for simplex communication
- OFF button to cancel a call after simplex operation
- TONE OFF button to silence incoming call tone.
- LED indicators display call location and status
- Station selector buttons, pressed only when a call is initiated to a patient station
- Directory panel, with room numbers/locations indicated (by end-user)
- TONE volume for adjusting call tone volume
- RECEIVE volume for adjusting incoming communication volume

ON BACK OF MASTER:

- PRETONE: Adjusts pre-announce tone to subs
- TONE: Adjusts incoming call tone volume
- DUTY STATION: adjusts tone to duty station
- TRANSMIT: Adjusts outgoing communication volume
- RECEIVE: Adjusts incoming communication volume

SPECIFICATIONS:

Power source:	Provided by NHX-80X
Power Consumption:	80mA (standby); 500mA Max.
Output:	100mW @ 20 ohms
Communication:	Press-to-talk, release-to-listen at master station, or Handset (VOX)
Capacity:	50 stations
Signal-to-Noise Ratio:	More than 30dB (Transmit & Receive)
Frequency Response:	300Hz ~ 3.4KHz
Total Harmonic Distortion:	Less than 3% (Transmit & Receive)
Wiring:	5 twisted pair shielded low capacitance cable (12 pF/Ft) from NHX-80X Aiphone #862210
Wiring Distance:	65' w/22AWG
Material:	High impact ABS fire-retardant plastic
Color:	White
Dimensions (H x W x D):	NHX-50M: 3-1/4" x 11" x 8-1/4" NHX-50M + NHX-30G: 3-1/4" x 14-1/2" x 8-1/4"
Certification:	UL 1069 Listed C-UL Canadian Standard C22.2

Product specification subject to change without notice.

