

## Quick Start Guide

### 5 Unique Features

- 1 *The definitive EQ system in one package*  
31 Band Graphic, 12 Bands of Parametric, Two Dynamic Filters: T-DEQ, 4 Filters (Notch, Lo-Pass, Hi -Pass, Hi-Shelf, Lo-Shelf), Delay up to One second, A/B Link, Copy and Paste settings to other units.
- 2 Only EQ system to offer Solo Tracking System with world's most popular Midas Heritage & Legend series desks.
- 3 64 audio channels of EQ on the system that allows you to store and recall engineers setup. Great for multi-band shows or multi use venues
- 4 Auto EQ linking with Klark Teknik DN6000 Analyzer
- 5 Elgar Helix Remote plug-in with *FastNav™* for complete system control & recall

### (Part I)

#### EQ Active Lights

**Four Yellow LED** lights on left side indicate if particular type of EQ is currently affecting overall response.

#### Bypass

**Chan Bypass** (left) Red LED indicates that the entire channel A or B is bypassed.  
To engage, Hit **HOME** to get to the Master Page then **Chan Bypass**  
**Type Bypass** (right) Red LED indicates that the **GRAPHIC, PARAMETRIC, T-DEQ** or **FILTER** have been bypassed  
To engage, Hit **GRAPHIC, PARAMETRIC, T-DEQ** or **FILTER** then **Type Bypass**

#### Graphic 31 Bands per channel

Hit **GRAPHIC**. Touch the upper **TOUCH STRIP** section to boost, lower section to cut. Boost/Cut pauses when crossing 0dB. Lift finger off **TOUCH STRIP** and then hit again to continue past 0dB. Note: EQ filter adjustment changes are slowed when boosting above 0dB.  
Select a group of filters by hitting Boost with one finger and Cut with another at the same time and let go. Now Boost or Cut the group of EQ filters.  
Hit **MENU** and adjust **ENCODER 1** to change EQ emulation type **DN 27, DN360, Symmetrical, Constant, or Proportional**. For **Symmetrical, Constant, or Proportional** you can adjust **ENCODER 2** for the **Q**  
Adjust **ENCODER 3** to view **Fader** or **Graph** on display

#### Parametric 12 per channel

Hit **PARAMETRIC**, Hit **ADD**.  
Adjust **ENCODER 1, 2 & 3** for **Freq, Q, & Level**.  
Adjust **ENCODER 1** or **TOUCH STRIP** to adjust freq.  
Repeat up to 12 times  
Hit **SELECT** to toggle selected filter  
Hit **IN/OUT** to bypass selected filter(s)\*  
Hit **Type Bypass** to bypass all Parametric Filters\*

\*Same way to bypass in all EQ filter types

#### Dynamics (T-DEQ) two per channel

Hit **DYNAMICS**  
Hit **SELECT** or **TOUCH STRIP** to toggle selected filter  
Adjust **ENCODER 1 & 2** **Freq** and **Q**,  
Hit Menu adjust **ENCODER 1 & 3** **Lo Threshold & Level**.  
Hit Menu adjust **ENCODER 1 & 3** **Hi Threshold & Level**.  
Hit Menu adjust **ENCODER 2 & 3** **Attack and Release**.

#### Filters 4 per channel (5 types)

Hit **FILTER**  
Hit **ADD**. Adjust **ENCODER 1** for **Type** (**Notch, Low-pass, High-pass, Hi shelf, Lo shelf**) Adjust **ENCODER 3** to **Confirm**  
Adjust **ENCODER 1, 2, or 3** for **Freq, Q (Type) & Slope**.  
Adjust **ENCODER 1** or **TOUCH STRIP** to adjust freq.

#### HOME

Hit **HOME** at any time to get to the units Master Page. Encoder Display shows **KT DN 9340** and **Preset Name**. Large display will show a composite of overall response

#### For Delay & Gain

Hit **Delay/Gain** Adjust **ENCODER 1 & 3** for **Delay & Gain**

#### For Chan A/B Linking

Hit **HOME** Hit **A/B LINK** adjust **ENCODER 3** to confirm link channels together. Green A B SELECT LED both turn on

## Quick Start Guide (Part II)

#### Link Master to Slave(s) 32 units for 64 audio channels

Must daisy chain all units RS 485 on rear panel via Mic cable Out to In On Master (DN9340 Only)

Hit **HOME** to display Master Page with **Preset Name**

Hit **HOME** and hold **HOME** (1 second)

Adjust **ENCODER 1** to Comms address **1**

Adjust **ENCODER 2** to **MASTER**

Adjust **ENCODER 3** Adjust to total audio channels in system

**Stop** and setup slaves before completing master

#### On Slave DN 9344

Hit and hold **SETUP** (1 second)

Adjust **UP/DOWN** buttons to adjust Comms address (2-32)

\*\*Adjust unit 1A and 1B to Comms **2**

\*\*Adjust unit 2A and 2B to Comms **3** etc... for more units

Hit **SETUP**, displays **SET PAS** Hit **SETUP** again to confirm

\*\* Example

#### On Slave DN9340 (You can use a DN9340 as a slave)

Hit and hold **HOME** (1 second)

Adjust **ENCODER 1** to Comms address (2-32)

\*\*Adjust unit 1A and 1B to Comms **4**

Adjust **ENCODER 2** to **SLAVE**

Hit **HOME** again to confirm

\*\* Example

#### On Master (DN9340 Only) competing Master

Go back to master unit

Hit **HOME**. The master controller asks "SET ALL or GET ALL".

Adjust **ENCODER 2** to SET ALL, Hit **HOME** and system will show

**DETECTING UNITS**. You will then see **M\* 232 T/R/ 485 T/R/** indicating that the system is on line

#### System Control

##### Stand-alone control

Hit and hold **A B SELECT**. Hit **TOUCH STRIP** on the Top Section to choose the Slave Unit to control. Note Bottom Section of **TOUCH STRIP** is used only when you have a larger system (17-32 units displayed on bottom).

##### Linking to Midas Heritage or Legend desks

Hit **HOME**. Encoder Display shows Master Page **M\* 232 T/R/ 485 T/R/**

This is the Main Page display when the Helix system is on line

Connect the rear RS 232 of the Master DN9340 to the desk RS 232

Hit **COMMS**, Hit **SYSTEM**. Hit Top Soft Key to choose the desk i.e.: L3000, H1000, H2000, H3000 or H4000

Hit **TOUCH STRIP** to choose column to adjust i.e.: **Long Name, Name, Solo Source, or Number** assignment.

Adjust **ENCODER 1** to select channel to assign or name

Adjust **ENCODER 2** to name Channel. **Letter/Number placement**

Adjust **ENCODER 3** **Letter/Number (Solo Source, Chan Number)**

Hit **CONFIRM**. Hit an assigned solo button on desk. The Master

should take control of the assigned Slave.

##### Copy Unit Parameters to other Units

Hit **COMMS**. Hit **COPY MON** or **COPY ST**. Choose unit to copy by

selecting unit on **TOUCH STRIP** **CONFIRM**. Choose unit(s) to

paste by selecting unit(s) on **TOUCH STRIP**

Hit **CONFIRM**, Hit **CONFIRM**.

