

1.* HM | DCC & HM7000-TXS – Installing Sound Profiles for Customers (*Retailer)

This tutorial is for a retailer to install (Sound) **Profiles** for customers who wish to purchase one of the below HM7000-TXS decoder SKUs only:

(HM7000-21TXS: **R7322**)

(HM7000-N18TXS: **R7345**)

(HM7000-8TXS: **R7336**)


Notify the customer the process should take around 20 minutes. This may be slightly longer if they wish to install the **SD006 – Class 73 Profile**.

Start by taking the HM7000 decoder carefully out of the packaging. Please handle the HM7000-TXS decoder via the edges of the PCBA to avoid any static damage. Install the decoder to a locomotive or to a Tester Board* if available.

*It is advised to use a Tester Board with 8-Pin, Next18-Pin and 21-Pin sockets if possible, to ensure constant power supply and ease of installation. Also, it is best to choose a locomotive with sound and lighting functionality. Alternatively, you can test the **Sugar-Cube Speaker** in the HM7000-TXS pack by installing it to the HM7000-TXS decoder via the **Speaker Socket**.

Make sure that the instructional manuals within the HM7000-TXS decoder pack and locomotive or Tester Board have been followed, ensuring your decoder is installed correctly and your locomotive or Tester Board are powered on ready for the HM | DCC app to connect.

Ensure your Bluetooth® & Wi-Fi are turned on in your device settings and you are connected to the internet. It is advised to have your phone or tablet plugged into mains power during the entire installation process.

Login to the HM | DCC app if not already. Once logged in, tap on **Link Device** or alternatively double tap the **Settings**  Icon and then tap on **Link Device**.

Tap on **Start Scan** and wait for the scan to finish. You should notice the decoder (HM7000-____) pop-up under the **Ready to Link** section.

If your device has not been found, please ensure that your locomotive or tester board is powered correctly and tap **Restart Scan**.

Tap on your decoder (HM7000-____) and allow the **Device Link** process to complete. Please note, you may be prompted to update the decoder if it is not updated to the latest version. For the decoder to work correctly with HM | DCC you must ensure the decoder is updated to the latest version. If you are presented with the essential update screen, please place your phone or tablet down next to your locomotive or tester board and tap the **Start Update** button. Please allow a few minutes for the update(s) to complete, then tap the **Done** button.

Please then **Power-Cycle** the decoder by removing the locomotive from the track or by removing power to the tester board, waiting 5 seconds, and then replacing the locomotive or turning power back on to the tester board.

It's worth noting the **4-Digit Code** at the end of the HM7000 name (HM7000-____) from the **Locomotive Settings** screen.

Double tap the **Settings**  icon.

Tap on **Profiles**.

Choose the correct Profile based on the customer's wishes, ensuring that the correct scale for their locomotive is chosen (TT or 00), these scales are listed in the top-left of each **Profile** box.

Tap on the chosen **Profile**.

Remember the **SD###** number (**Profile SKU**) of the chosen **Profile**.

Tap on the **Decoder Selection** box where it states **Select Now >**.

Tap on the correct decoder (It will be named **New Loco - #3**). Once selected, ensure that the correct **4-Digit code** is listed in the **Decoder Selection** box.

Ensure that the Bluetooth® icon  is **BLUE** and the decoder is connected to HM | DCC.

Place the tablet 3-6 inches away from the decoder.

Tap on **Install Locomotive Profile**.

Ensuring that phone or tablet and locomotive/tester board is stationary, allow the Installation Process to complete. This should on average take around 15 minutes.

Once complete, please then **Power-Cycle** the decoder by removing the locomotive from the track or by removing power to the tester board, waiting 5 seconds, and then replacing the locomotive or turning power back on to the tester board.

Tap on the tick to dismiss the **Power-Cycle** prompt.

Tap on the **Dismiss** on the prompt stating that the **Profile** has been installed.

Tap on **Import Function Map**.

Tap on the **Control**  icon.

Ensure the correct decoder is selected from the **Top Selection Bar** by checking the **4-digit Code** under the locomotive name ("New Loco").

Tap on **Manage Device**.

Check that under **Device Health Check** all ticks are **GREEN**. If they are not, something has gone wrong during the installation process. Please reinstall the same **Profile** again, using the same method as before. (**Settings>Profiles>Select Profile>Install Locomotive Profile**).

Tap on the **Control**  icon.

Ensure the correct decoder is selected from the **Top Selection Bar** by checking the **4-digit Code** under the locomotive name ("New Loco").

Test the locomotive / decoder is functioning correctly:

- Move the **Speed Slider** and the motor on the Tester Board or the locomotive should move.
- Test various functions underneath the **Function Control** section at the bottom of the screen. If you tap on **Lighting Functions**. The lights on the tester board or locomotive (with lighting) should light up.
- If the locomotive has a speaker installed, or the HM7000-TXS decoder has the sugar-cube speaker installed, you can tap on various sound functions (whistles etc) to test the sound is working as expected.

If all is working, proceed to the next step. If not, please contact HM.customercare@hornby.com

Ensure the correct decoder is selected from the **Top Selection Bar** by checking the **4-digit Code** under the locomotive name (“New Loco”).

Tap on **Locomotive Settings**.

Tap on **DCC**.

On the top toolbar on the right-hand side, tap on **ADV. CV EDITOR**.

Tap on the **Refresh**  button in the top-right hand corner, under **ADV. CV EDITOR**.

Check **CV12** equals a value of 0. If not, please tap on **CV12: Control Source** and tap on **DCC**.

Tap on **EXIT**.

Double tap the **Settings**  icon.

Tap on **Manage Devices**.

Tap on the **HM7000-__ __ __** decoder (It should be **BLUE** ‘Connected’) ensuring the correct decoder is selected by checking the **4-digit Code**.

Under the **Device Version(s)** section, ensure that the **SD###** number (**Profile SKU**) is correct as chosen by the customer. If is not, something has gone wrong during the installation process. Please reinstall the same **Profile** again, using the same method as before. (**Settings>Profiles>Select Profile>Install Locomotive Profile**).

Go to the very bottom of the screen. Tap on **Unassign** under the **Assigned Vehicles** section of the screen.

Tap on **Unlink & Delete Device**.

Dismiss the **Power-Cycle** prompt.

Double tap the **Settings**  icon.

Tap on **Engine Shed**.

Tap on the “New Loco (3)” that was recently created. It will state **Vehicle Not Assigned**.

Scroll to the bottom of the **Locomotive Settings** screen and tap on **Delete**. This will remove the newly created locomotive from HM | DCC to avoid future confusion.

Turn off the **Tester Board** from the mains power or remove the locomotive from the rails.

Carefully remove the HM7000-TXS decoder from the board or uninstall from the locomotive.

Place the HM7000-TXS decoder (and sugar-cube speaker) back in the **Anti-Static Bag(s)**. Place all in the original box and hand back to the customer.

Advise the customer to read the instructions in the HM7000-TXS decoder pack and locomotive pack and carefully install the decoder into their **DCC Ready** locomotive. The HM7000-TXS decoder will be ready to use out of the box for DCC controllers with the new **Profile** installed. Also, the HM7000-TXS decoder will be ready to be **Linked** to the customer's HM | DCC app if they so wish.

For more information, please guide the customer to the below links:

[HM | DCC & HM7000 Instructional Manuals + Function Maps:](#)

<https://support.hornby.com/hc/en-gb/sections/6430190965522-Additional-Manuals>

YouTube Tutorials for HM | DCC:

https://www.youtube.com/playlist?list=PLdNqik7_F42uWgBdQ4HdgqQms7XnSUN73

Specialised support for HM | DCC & HM7000:

HM.customercare@hornby.com

General support for DCC and HM7000:

customercare@hornby.com