bkFusion TR Steps Quick Guide
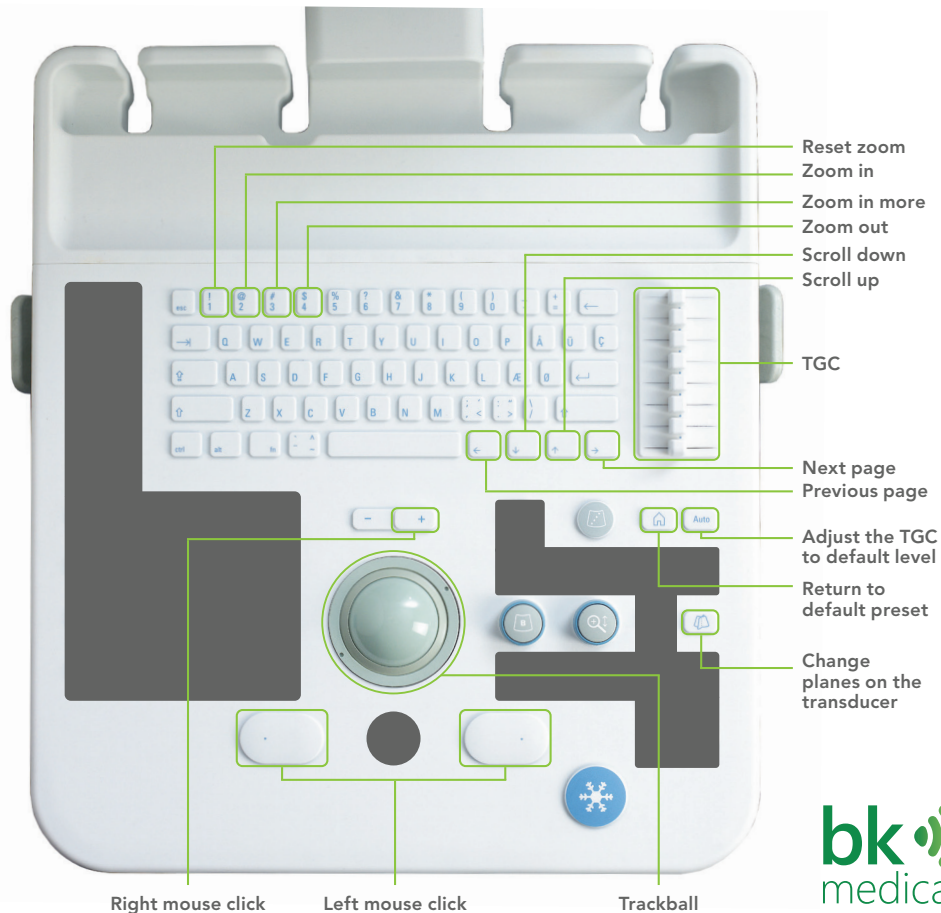
Patient, Transducer, Preset Modifications

The top controls for altering exam information is inactive when using bkFusion. You will not be able to modify the following:

- 🚫 Enter Patient ID
- 🚫 Change Transducer
- 🚫 Change Preset
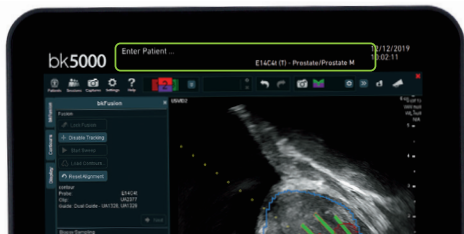
If you have any issues or problems using bkFusion, please contact your BK Medical representative.

Keyboard functions with bkFusion for bk3000/bk5000

- Reset zoom
- Zoom in
- Zoom in more
- Zoom out
- Scroll down
- Scroll up
- TGC
- Next page
- Previous page
- Adjust the TGC to default level
- Return to default preset
- Change planes on the transducer
- Right mouse click
- Left mouse click
- Trackball

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Biopsy Steps for TR bkFusion on bk3000/bk5000

1. Click on the **Fusion** workflow tab
(bottom right corner of the monitor at top of the workspace)

2. Click **Start Procedure**

3. Click **TRBx**, and then enter the first two letters of the patient's name. A drop-down list under Patient Name will allow you to select the specific patient, and the remaining patient details will auto-populate. Click **Start Procedure** to begin the fusion exam.

4. The most recent **BXplan** will load on top of the ultrasound image in the upper screen (mid-gland contour). If contours are not displayed, click the **Load Contours** button

5. Alignment
   - Make sure signal strength is between 0 and 1 for optimal alignment. Move the EM transmitter or readjust patient position to acquire the best strength.
   - Switch to the transverse plane to start alignment (press the bottom button on the transducer or [icon] on the keyboard. Move the transducer along its axis until the MRI contour matches the outer boundary of the prostate, Use the [icon] [icon] buttons on the right side of the screen and hold the **Select** key to realign the contours. When the ultrasound image and the prostate contour are correctly aligned, click the **Lock Fusion** button on the left side of the screen.
   - Switch to the sagittal plane (use the top button on the transducer or [icon] on the keyboard) and repeat the steps above.

6. Click **Next** to continue to the biopsy screen

7. You take the biopsies in the sagittal plane. Press [icon] on the keyboard to enable the biopsy line. You are now ready to biopsy

8. After each biopsy, use the trackball and the **Select** key to place a biopsy marker on core locations

   NOTE: To remove a biopsy market, move the trackball cursor precisely on top of the core, press [+] and click *Remove Core*, or click the *Remove Last Core* button.

9. Once all biopsy specimens are acquired, click the Save button in the Biopsy Review box to save all data. Select the chosen destination and enter a description for the series

10. Click **Display Report** in the Biopsy Review box on the left-hand side of the screen. Select your Structured Reporting Template from the Notifications pop-up window

    *NOTE: You can save the report to USB: Click **Create PDF**, select destination (USB), enter name for the report file, and click OK.*

11. Click **Sessions** and **End All Sessions** to end exam

Configuring bkFusion Hardware Quick Guide

bkFusion is compatible with the USB foot switch, which can be set as 'mouse left-click'. See the bk3000 & bk5000 Advanced User Guide for foot switch configuration information.

Connect the EM Control Unit to the bk3000/bk5000 system using the USB cable (USB ports are located in the rear of the scanning engine). Connect the power cable, then switch the unit ON

Connect the EM Transmitter to the EM Control Unit: Insert the Transmitter cable into the Transmitter socket until an audible 'click' is heard

Connect the Sensor to the EM Control Unit: Insert the Sensor cable into socket 1 until an audible 'click' is heard
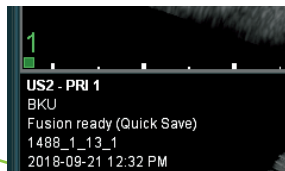

E14C4t (9018)

Push the Sensor into the Sensor Clamp channel. The small indentation on the tip of the Sensor must be facing the groove in the Sensor Clamp channel, as indicated

Slide the other Sensor Clamp channel over the steel stud on the side of the transducer until a 'click' is heard


The numbered and colored scale under the ultrasound image on the system monitor represents the Sensor's proximity to the EM transmitter. Green represents the optimal proximity. To mitigate EM interference, the signal should be either 0 or 1
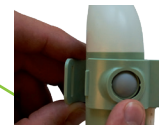
E13C2 (9029)

Open the Sensor Clamp and push the Sensor into the channel, as indicated. The small indentation on the tip of the Sensor must be facing the groove in the Sensor Clamp channel
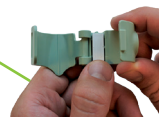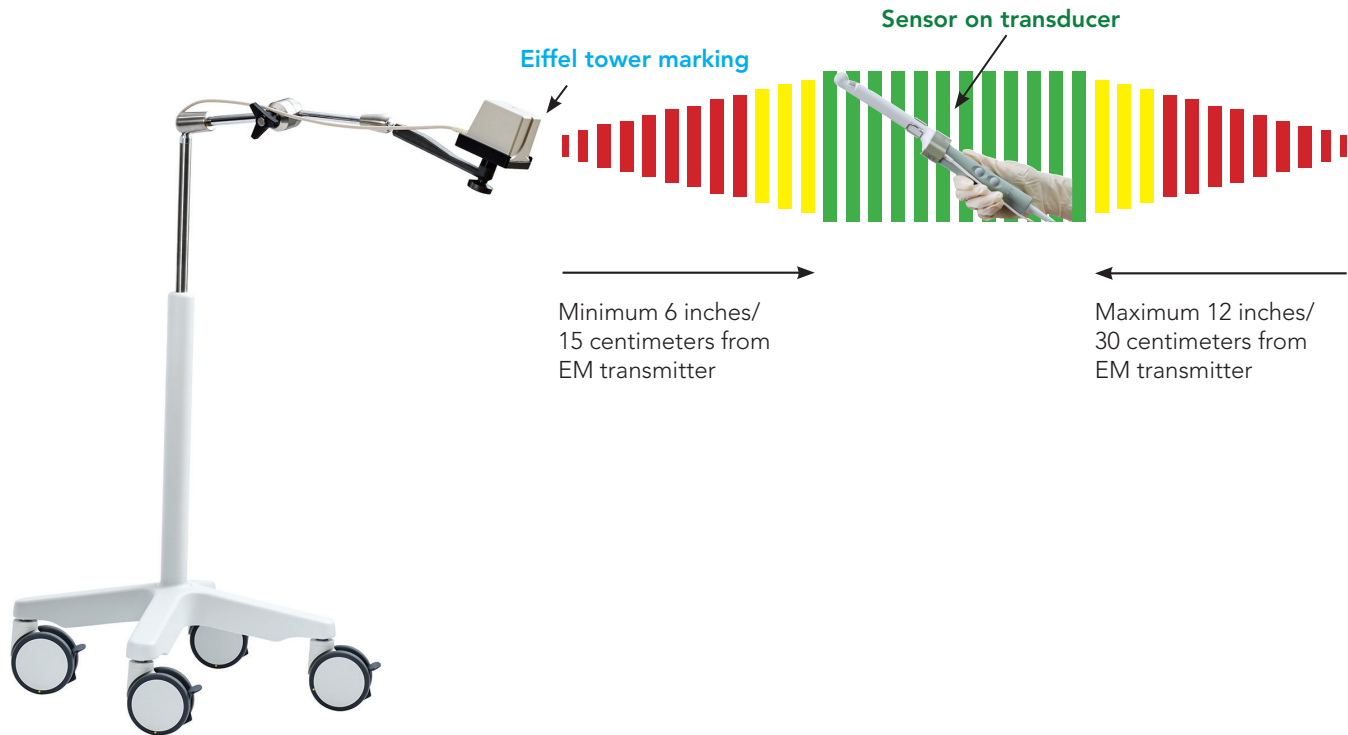

Align the hole in the Sensor Clamp with the transducer button

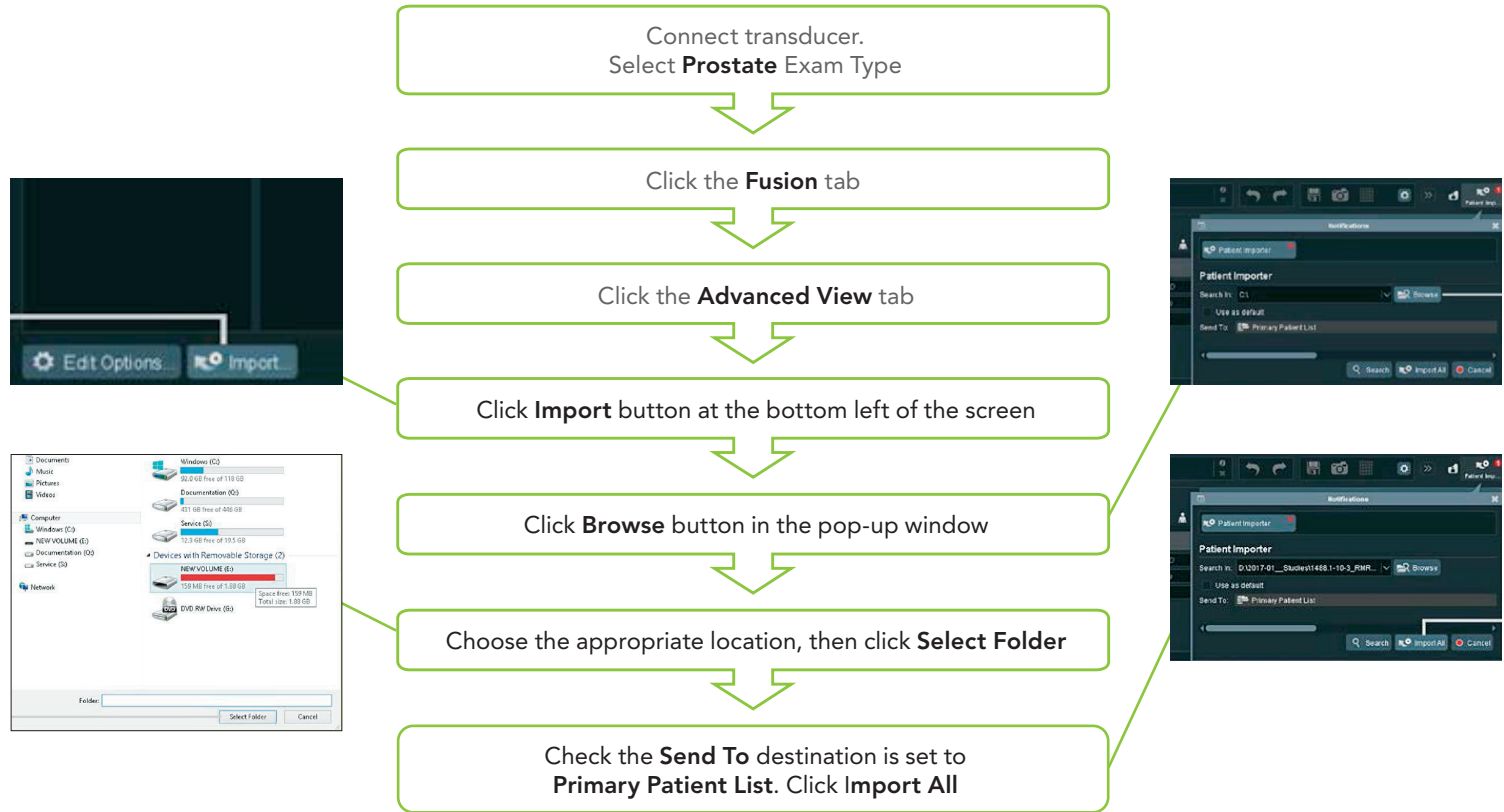Press the two ends of the Sensor Clamp together until a 'click' is heard

US2 - PRI 1
BKU
Fusion ready (Quick Save)
1488_1_13_1
2018-09-21 12:32 PM
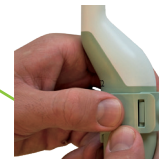
Setting up the EM Transmitter Quick Guide

Eiffel tower marking

Sensor on transducer

→ Minimum 6 inches/ 15 centimeters from EM transmitter

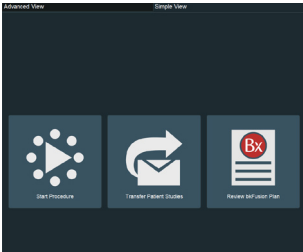← Maximum 12 inches/ 30 centimeters from EM transmitter

The EM Transmitter box must be positioned at least 6 inches / 15 centimeters from the **sensor on the transducer**, and no further away than 12 inches / 30 centimeters. The "**Eiffel Tower**" marking on the EM Transmitter must point directly at the **sensor on the transducer**. There must be no metal within the 18-inch / 45-centimer range.

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MRI data import from USB/CD Quick Guide

Connect transducer.
Select **Prostate** Exam Type

Click the **Fusion** tab

Click the **Advanced View** tab

Click **Import** button at the bottom left of the screen

Click **Browse** button in the pop-up window

Choose the appropriate location, then click **Select Folder**

Check the **Send To** destination is set to
Primary Patient List. Click I**mport All**

MRI data import Quick Guide

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Connect transducer. Select **Prostate** Exam Type

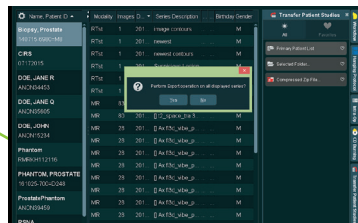Click the **Fusion** tab

Click the **Advanced View** tab

...from Remote Patient List

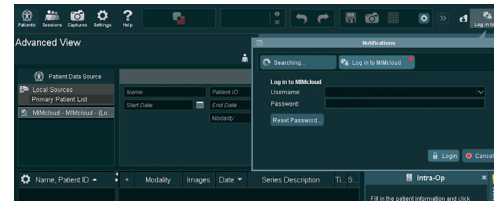Click on the appropriate patient from the Remote Patient List.
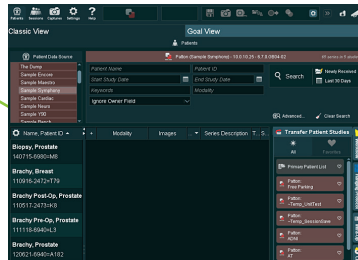
Click the **Transfer Patient Studies** tab, then double-click **Primary Patient List**. Click Yes when prompted by the pop-up window

...from MIM-Cloud (US Only)

Double-click the **MIM Cloud** on the left-hand side of the screen

Enter your login details in the pop-up window

Click on the appropriate patient in the MIM-cloud database

Click the **Transfer Patient Studies** tab, then double-click **Primary Patient List**. Click Yes when prompted by the pop-up window