

Noah Instant & Noah Instant + Coach *Installation Guide*

Updated June 1, 2011

noah[™]
BASKETBALL

1.888.879.6624

www.noahbasketball.com

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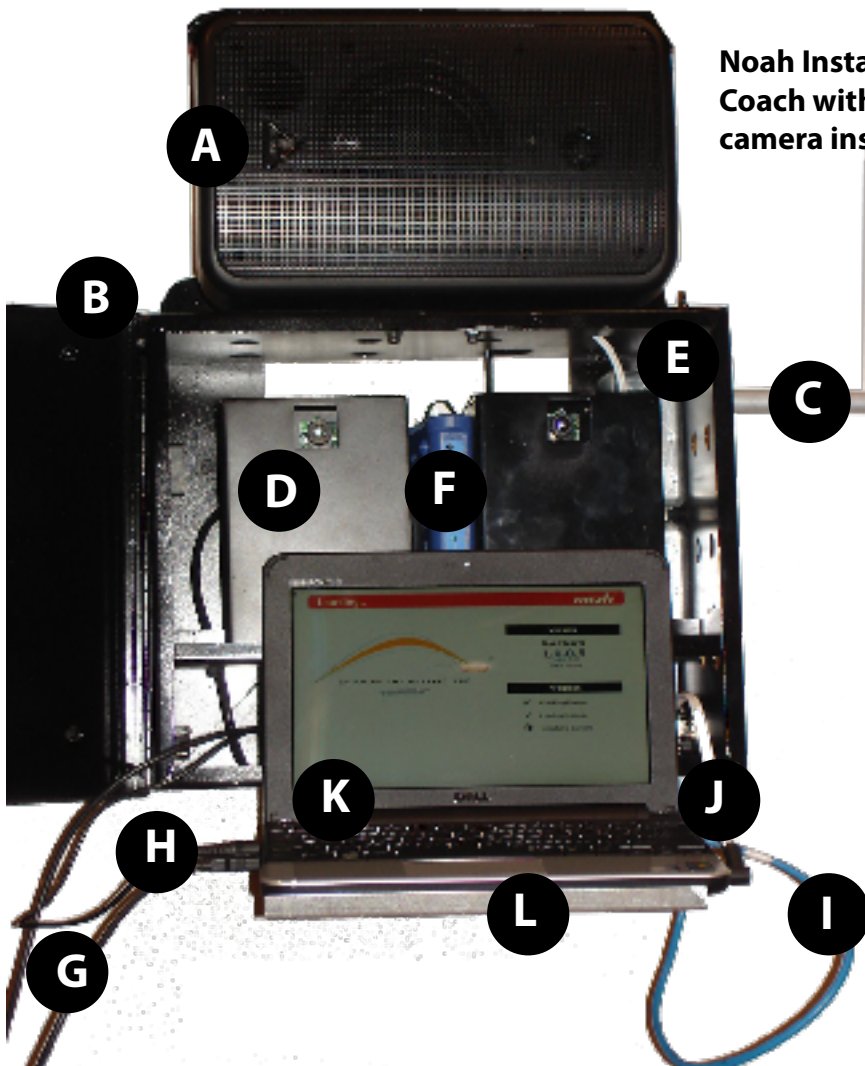
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Your Noah Instant Installation Manual

This manual will walk you through the installation of your new Noah System. Installation will take about an hour, not including installing the electricity. ***Please, DO NOT attempt installation of electricity to the box unless you are a qualified electrician, certified in your state, and approved to work in your school system.***

If, at any time, you have questions please visit, www.noahbasketball.com where you will find additional information located under the, "Resources" tab. You may also contact your Noah representative or call 1.888.879.6624.

Noah Instant System



Noah Instant + Coach with two camera installation.

- A.** Speaker
- B.** Noah Instant Box
- C.** External Power
- D.** Camera I & II
- E.** Power Plug
- F.** Router
- G.** Camera USB Cable
- H.** Control USB Cable
- I.** Router Ethernet Cable
- J.** Speaker Audio Cable
- K.** Computer
- L.** Bracket Shellf



Noah Instant with single camera installation and computer installed.



Noah Instant ready for Noah Instant Cover.

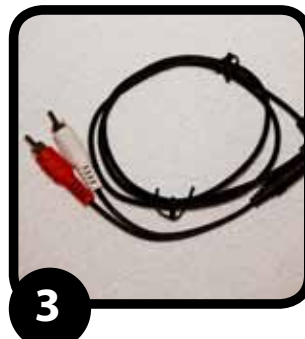


Noah Instant with installation complete.

Parts included in shipment

Please unpack each box and verify that you have all of the parts indicated in the list below. If you do not have all of the parts listed, please call 1.888.879.6624 immediately.

1. Noah Instant Metal box with the control power cable attached
2. Speaker & Power Supply
3. Audio Cable
4. Wireless Router
5. Router Ethernet Cable
6. Camera box (two cameras are included with Instant + Coach)
7. Laptop Computer
8. Bracket Shelf
9. Mounting Hardware (wood and concrete screws and black thumb screws for securing the cover)
10. Masonry Drill Bit
11. Noah Cover
12. Aluminum Accent Ring with nuts and bolts



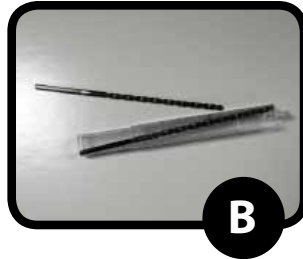
You will need:

The following tools will be used during the installation for your Noah Instant System.

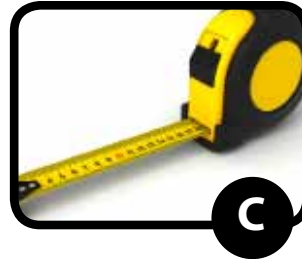
- A. Drill
- B. Drill Bits – 3/16" masonry bit is included. If you are mounting to a wood wall you will need a standard bit for this.
- C. Tape Measure
- D. 1/8 inch allen wrench – will be needed for the speaker installation
- E. Ladder
- F. 7/16 inch wrench
- G. 5/16 inch socket – socket to install tapcon screws
- H. Phillips and Flat head screwdrivers
- I. Level
- J. Plumb Bob and string



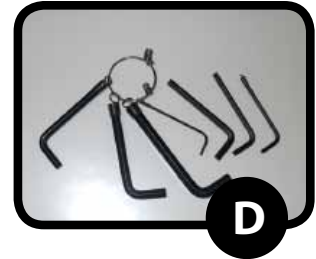
A



B



C



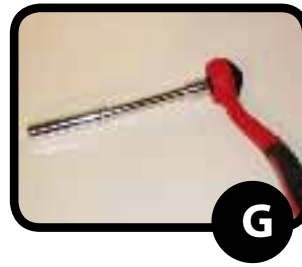
D



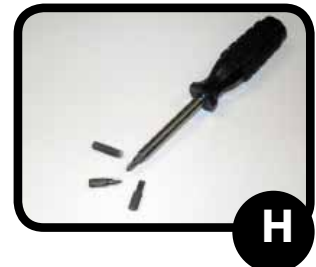
E



F



G



H



I



J

Also recommended:

1. Electrical Tape
2. Pencil
3. Canned Air or Shop Vac

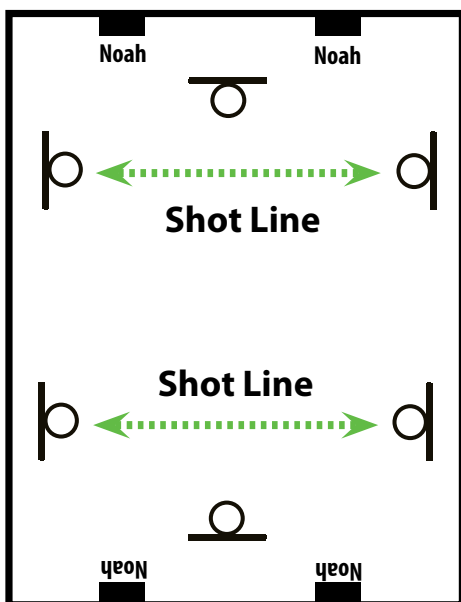
Placing Noah Instant

A measurement was provided to Noah Basketball when your order was placed. This measurement indicated the approximate distance from the wall to the centerline of the shot for the hoop chosen for your Noah System.

This measurement ensured that your camera was set up properly for the chosen location. If a new location has been chosen for your Noah System make sure that the distance from the wall to the centerline of the shot for the new basket is the same as the initial measurement provided to Noah.

If this measurement has changed, call Noah at 1-888-TRY-NOAH (1-888-879-6624) to make sure it is okay to proceed with the installation. A different camera lens may be required if the distance is substantially different.

!! VERY IMPORTANT !! The wall on which you are mounting the Noah Instant box must be perpendicular to the shot line of the hoop you intend to use. See diagram below for potential locations for the Noah Instant system.



Noah is usually placed to work on a side basket. However in some cases your gym may allow for it to work on the main basket depending on your bleachers.

Step 1 – Mount the Instant box

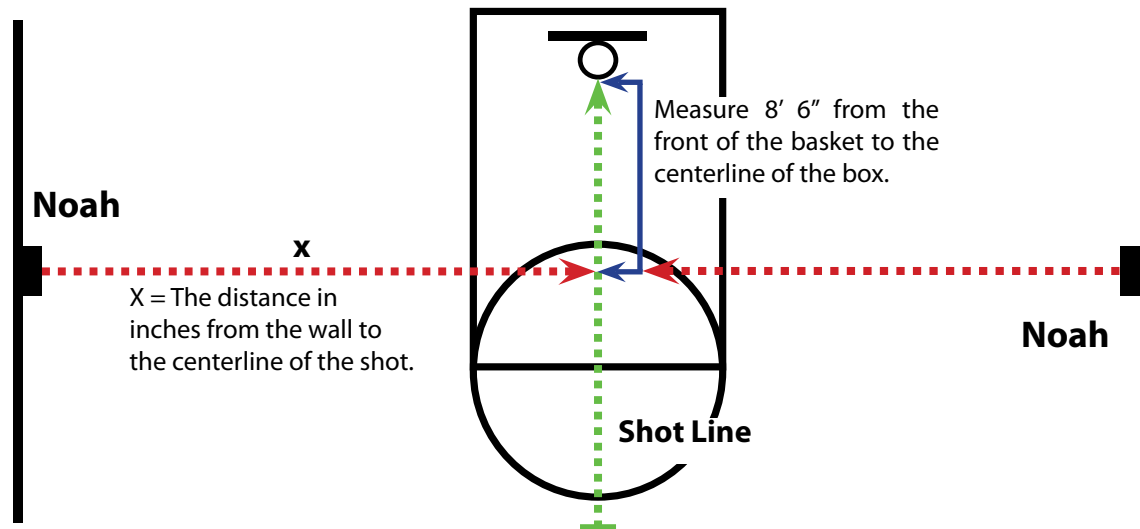
The first step is to mount the Instant box to the wall in the proper location. The bottom of the box should be mounted 7 feet (plus or minus 6 inches) off the floor and 8 feet 6 inches (plus or minus 6 inches) to the box center from the front edge of the rim. (See diagram for details) If you are unable to mount the system at these dimensions, please call us at 1-888-TRY-NOAH (1-888-879-6624) to discuss.



7' from the floor to the bottom of the Instant box.

INSTALLATION NOTE: If you are mounting to a wooden structure you must make sure that one side of the Noah Instant Box is secured to the studs. The system will weigh approximately 50 lbs. once installed.

Step 1 – Mount the Instant box



The best way to mount the box is to mark the location for one of the top holes and drill this hole first. Hold the box level in place per the instructions above and mark the top right hole.

If you are mounting to a concrete wall use the 3/16" masonry bit that is provided to drill the first hole. Once the first hole is drilled, use a tapcon concrete anchor screw to mount the box to the wall using this one hole. Don't overtighten – you will come back and tighten all screws later.

Now the box is being held in place by the one screw, level the top of the box and mark another hole for the second screw.

Once the hole is marked you can allow the box to "fall" back down being held by the one screw. Drill the second hole and install the screw. Check

to make sure the box is still level. The box does not have to be perfectly level, but should be close. Once the box is level, install additional screws along the top to secure the box.

Next, install two or more screws on the inside of the box. These screws will further secure the box to the wall. Install as many as you feel necessary to properly secure the box. The box can now only be removed from the wall by opening the locked door and removing the screws from the wall.

NOTE: Occasionally screws will "strip out" and not tighten well. If this occurs, simply drill another hole in the concrete or wood behind one of the pre-drilled holes to better secure the box. This area will be covered so don't worry about the appearance of multiple screws.



Place the first screw.



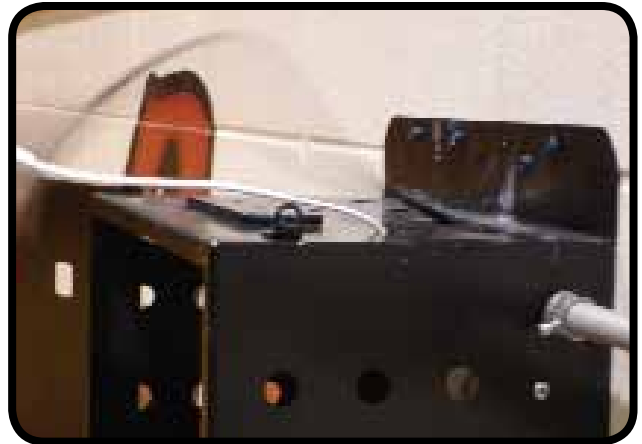
Level and place the second screw.

Step 2 – Run Electricity to the Box

NOTE: This work should be completed by a certified electrician, licensed in your state and approved to work in your school system.

Now that the box is securely and properly installed, the next step is to run 120 volt electricity to the box. The amperage required for the Instant box is minimal so the easiest way to get power is typically from an existing electrical outlet, exit light, etc.

There are two electrical outlet boxes in the Instant box and they are already wired together. There is a ½ inch conduit connector on the top right side of the box that is connected to the top outlet in the Instant box. The electrician needs to loosen the receptacle in the top outlet to run the electricity to the top box and wire accordingly.



Notice the additional screws inserted to secure this Noah Instant box.

Once drilling is complete used a shop vac or canned air and thoroughly clean any dust from the Instant box.

NOTE: If you purchased the setup option from your Noah Representative you can stop once electricity has been run and contact your representative. The Noah Representative will complete the remainder of the setup and installation for you.

Step 3 – Install Speaker

The speaker should be installed on top of the Instant box. Before placing the speaker on top of the Instant box:

Plug in the audio cables and the power supply cable to the back of the speaker. See photo.

The volume control has been pre-set from the factory. It should be set at approximately 2/3 of full volume.

Remove the two allen screws taped to the the speaker and keep them close by to be re-installed.

Hold the speaker system above the Instant box and feed the audio cables and power supply cable through the holes in the top of the Instant box.

NOTE: There is a large hole on the top of the In-

stant box for the power plug to go through and the audio cables can be fed through any of the remaining holes in the top of the Instant box.

Once the cables are fed through, line up the speaker system's threaded holes with the two small holes on the top of the Instant box and secure with the two allen screws.

NOTE: You should now plug in the power cable and route the audio cable underneath the shelf and out the front of the box. You should also route the USB cable that is in the bottom left hand corner of the box below the shelf and out the front of the box.

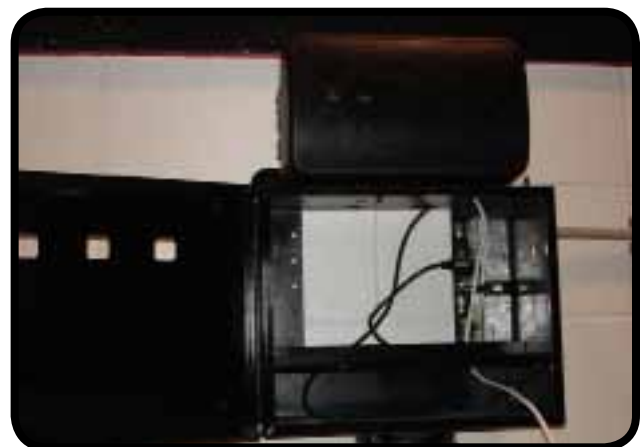


Plug in the power cord and the audio cable (white on white, red on red)



Camera mount

Route the power plug through the large hole. The audio cable can go through the smaller holes.



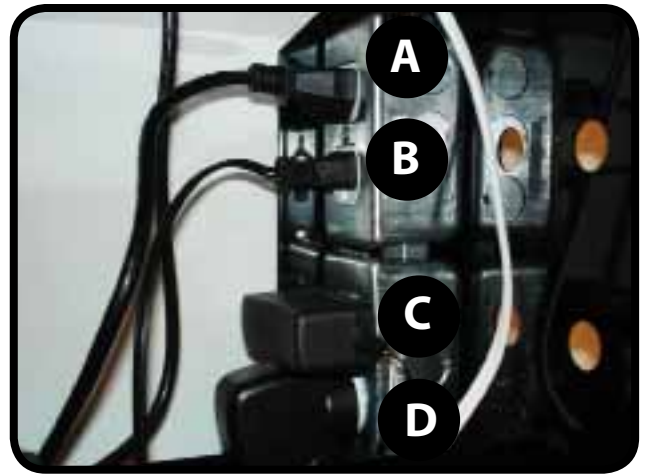
Properly installed speaker with power cord plugged into the outlet and audio cable routed under the shelf.

Step 4 -- Plug in Power Supplies

Whether you are installing one camera or two plug in the power supply to the following now:

- A. Speaker (top)
- B. Fan (second)
- C. Router (third)
- D. Netbook Computer (bottom)

Route all the cables except the router cable beneath the shelf and allow them to dangle from the front of the box. The router power supply (very small wire) needs to be routed above the shelf.



Space is limited in the box. It is important to plug in all of the power plugs before installing the camera.

Step 5 – Install Camera

The camera is very simple to install. Remove the four nuts on the bottom of the camera box and place the camera box on the shelf inside the Instant box.

There are three possible locations for installing the camera (Left, Center, and Right). If you are in-

stalling one camera install it in the CENTER position.

!!VERY IMPORTANT!! If you are installing two cameras (Noah Instant + Coach), the camera with the short cable must be mounted on the RIGHT side and the camera with the longer cable must be mounted on the LEFT side.

Noah Instant with one camera installed in the center position.



Noah Instant + Coach with two camera installation.

Camera Cables

If you only have one camera to install, route the cable underneath the shelf and out the front of the box.

Two camera installation: Route the long cable from the camera on the left underneath the shelf and out of the front of the box. Find the short cable attached to the camera on the right and install the end of the cable to the box, using the pre-drilled holes in the bottom right hand corner.



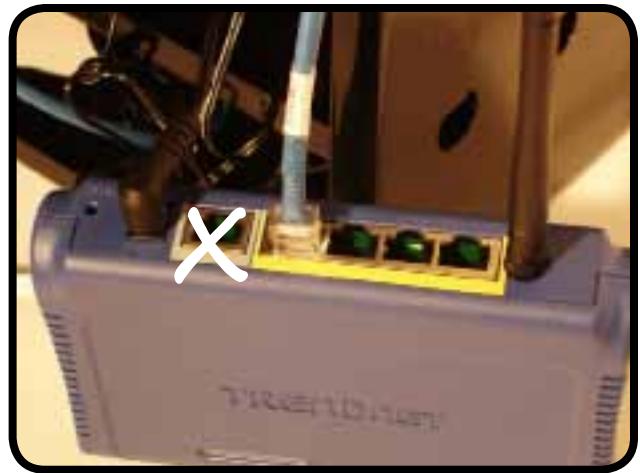
Opening in bottom right of the box for securing camera (right) cable.

Step 6– Install Wireless Router

The router has a blue Ethernet cable that needs to be attached to one of the 4 outlets that are surrounded by a yellow border. Install the antenna.

The router should be placed on the shelf with the cameras. It may be placed on either side of the camera(s).

Plug the power cable into the router. Now, route the Ethernet cable underneath the shelf just as you did the camera cable.



Plug the ethernet cable into any of the four positions inside the yellow box.



Noah Instant with one camera and router installed.

Step 7 – Connect and Install the Netbook Computer

The final step of the installation is to connect the computer.

There should now be two USB Cables, an audio cable, ethernet cable, and the computer power cable routed below the shelf out the front of the box.

You should attach the provided bracket shelf to the box and place the computer on the bracket shelf during set-up.

Connect all the cables mentioned to the netbook computer.

NOTE: Some computers have a dual purpose USB/eSATA port. This is a fully function USB port.



Noah Instant + coach with router and two cameras installed.



At this point all five cables should be routed under the shelf and out of the box.

Step 8 – Power up the computer and complete setup

Once all cables are connected turn on the computer. The computer automatically launches the Noah Instant Software.

During this final step of the setup and installation process you will need the plumb bob and measuring tape.

The remaining instructions are on the computer screen. Once you complete the steps on the computer screen, close the lid and place the computer in the bottom of the Instant box.

The best way to do this is to take all the extra cables, fold them as neatly as possible and place them on top of the netbook computer. Place the computer in the bottom of the Instant box.

NOTE: Place the bracket on top of the speaker so it is always available.

Test your system by shooting a few free throws.

If everything is working properly, close the door and add the lock to the latch on the top right of the box.



Place the computer on the bracket shelf. Connect the computer power supply, ethernet and USB cables to the computer.



Plug in the audio cable and router ethernet cables into the headphone jack.



After turning on the computer and following the step by step instructions on the screen. Close the lid of the computer. place any additional cable wire on the top of the computer. Remove the bracket shelf and place the computer in the bottom of the Instant box.

You are now ready to close the door.



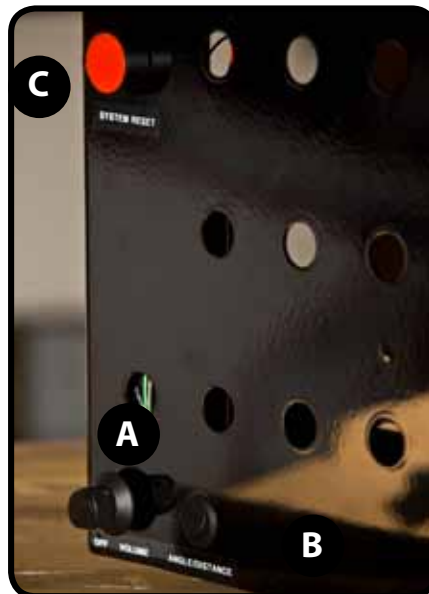
Step 9 -- Add the Noah Aluminum Accent Ring and Cover

Before installing the Noah Cover, install the Aluminum Accent Ring to the Noah front panel. Use the four nuts and bolts provided.

Place the black front cover over the entire box. Align the holes in the cover with the pre-drilled holes in the Instant box and install the black thumb screws to secure the cover.



System is ready for Noah Cover.



Controls

- A. Volume Control
- B. Arc Distance Switch
- C. Reset Button

