







DOCUMENTATION CONVENTIONS

The decision contains prover calley, including to departure inclusions for the JEL Avenue MR, KIN and SOM in well independent. It is important to and this decision for defintion of the Avenue Network of the decision of the decision for

WAANING: Calls attention to a procedure.

practice, condition or the like that, if not correctly performed or adhered to, could result in injury or death.

CATTOR Calls allerdue to a procedure, practice, condition or the like that, if not correctly performed or adhered to, could result in damage to or destruction of part of or the entire product.

fide Calls abortion to information that aids in the installation or contains of the orbital.

ADOUT JOL* IN-WALL SPEAKERS

Or how that HE years, 32% inspires to be described on involved in why apport of most and this rescaled paids explored the description of the exceeding year play an the quark is play that is a distribution of the exceeding year play an the quark is play that is the exceeding year play and the quark is play that is the exceeding year play and the quark will be applied to explore the play will be exceeding a constraint.

IN-WALL LOUDSPEAKER HIGHLIGHTS

- Long thrae weather with rubber surrounds provide high subject with low distribution.
- 1 out: ptiming the done tweeter with an integrated waveguide growthe aptimored response both or and off ans.
- Hot-order cosporer redwork detwet accurate tindere expediation

PRODUCT REGISTRATION

Presentate a moment to register your poduction our title alto at were discont. You'll enable acto here you good at an an table advancement and service is understand our customers and balle poducts that meet their meets and expectations.

BOX CONTENTS

Your JRL In-wall budgetown box should cantain the following berro.

- T 4 JE. IT-well budiometry
- 14-0109
- T 4 4473 WHITE CIRT for write
- T & nouriting temptal
- A CRUTH, MIL DURING

UNPACIONG THE SPEAKER

Cantury unpack the operators: If you surport damage train transf, report it immediately to your dealer and/or delivery service. Keep the dispong cattor and aucking materials for future use.

INSTALLATION CONSIDERATIONS

Yar new 28, toodpasses have been engineed to prace entropy actuates performances. Nearest, any optionary a dimension performance will be athread by the speaker's pacement is the tamining ratio and the actuation of the same. Not all takeney spaces can accompany the diversion of the same. Not all takeney spaces can accompany the pacement of your 28, to wall toodpasses with the a significant impart of the events dimension. The subdisevent.



LOUDSPEAKER PLACEMENT FOR DISTRIBUTED

- Since distributed stand is general stand throughout as area, place the budge starts as uniformly as possible for even sound coverage throughout the area.
- Pace the left and right loadige alers roughly the came datance has the admain fathine tradition.
- To avoid "hit spath" where the sound is too load, plan to use more build assess, with each set to day at a lower sound.

LOUDSPEAKER PLACEMENT FOR TWO-CHANNEL STEREO

Pace the set and right budgessers the same distance from the primary intering area (or an other to the same distance as possible). The distance from each spikere to its reserve and wait should also be all close to the reserve distance as an exercise.



lands, the distance between the left and right kinds provers, change be studied to be that their distance from the operant latenting area.

LOUDSPEAKER PLACEMENT FOR HOME THEATER

The foot left and foot right independent should be located on effect offer of the robot display with their therefore, as close to nor level as passible.

- The force of and four offic landspaceous chards be intrody class to the class of the value display. For example, four list and four offic landspaceous used with a 2014 of 7.2014 other display chards prevently onl be more than 80 in 2014 and.
- The center budgecies chould be aligned with the center of the video display fit twenter should be no near than 2 ft (5-81) above ar belaw the twenters of the force with and from optic speakers.
- The JRL HCF science and will maintain even sound dispersion and a high-performance stamming experience even about the fault in-wall budgements are installed adder sor-level. This permits many findale approximate document during installation.

5.1 -Channel Spepher Placement

 If a 5.1 channel system, the sumsand bit and surband sign isodiperatives should be located to the odde. If the main licturing area, 5.11 - 7 8 15 km - 2, 711 from the float.



11-Channel Speaker Placement

- If a 7.1 channel system, the sumand left and sumand left isotopeakers chood be accessed directly to the side; of the main isotening area, 5.5 - 7.5 /f. Ser. - 2.111 Son the flag.
- It a T1 charact option, the surround lack off and surround lack optimulapoints about the boards on the rear wall, 3 T = 6.11
 - \$186 1.86 apartand # 5.5 7.5 (1.56 2.56) Son the face



INSTALLATION INSTRUCTIONS

BL architectural questions are endowinely easy to includ. However, if you are usually to understand and follow the instructions in this manual clearly and fully or if you are unusure of your ability to install three toudquesters instructions control user disease or usualithed instructions.

MARKING: HARBAN International assumes na responsibility for improper installation of hardwars or far any personal injuries or product damages musiling from improper installation or a fallen loadseaker.

CONNECTING TO THE AMPLIPTER

CAUTOR REPORT POWER

You must cannot the speaker wires before the speaker is fully installed. Speaker the audie custom and yourself them demage or spray through accidente electrical checking and surger during installation, ture all audie cytom power OFF before beginning the speaker installation.

Ipenhar New

Use high-quality speaker with to dittain the best performance from your RF in-well-medium

- For win lengths drives that 50.5 (thirty use at least 16-gauge speaker win.
- For who simples between 50 % and 100 % (15m 30m), use at least 17 merces species; with
- For white being the of greater than 130 T (2011), use at least 10-gauge speaker with.

Note: All speaker wires must comply with all local building and safety orders for one in in-anti-spectrations

Wahing Connections

Connect was induced to possible (r) terminal on the basis of the amptime or means the possible (r) terminal on the comparing question. connect to be question (r) terminal on the comparing question. Connect to be singular place) terminal on the lates of the amptime of scenes to the singular place) terminal on the comparing question. On the one singular gibbal question connect q = q - q = q where states questions that is, going or with case poor imaging and demonted takes records.



Press dates of the part to open the form must the face and of the area into the fair and remote the and to around the wire.

CRUTERS. To avoid short circuits that may damage your equipment, be contain that position and negative wave strands of not touch each other and do not touch metal parts such as the specific bane.



MOUNTING THE SPEAKERS.

For New Construction

If you with to pro-mitted a mugh-in trans for the speakers before the drywall is installed in one standardser, you will need to purchase the calment mugh-in trans with my your budgeneer made think your advantued BM dealer dreamant muscless instructions are surpleted

the rough is not After the drysoid is installed, follow the installation instructions in For Folding Construction, Sellow.

For Exhibing Construction

Note: The installation procedure is the same for all models covered by this manual.

 Since that the dynamic pyrobol is other wall numerics 1:2" -2" ("Chine - 51 mill) thick and capable of withstanding the weight of the summer lower sinceled.

Make Law To allow at least 1" (25, doin) between the edge of the monitori instruction become and any others or other edges of the

The walk, sur the speaker's looking mechanism will have rates to engage Suly. Perform an obditudian survey to be sure that there are no study, sergets, of conduct, poor, feating ducts or an interne in the walk carby



 Determine the cannot species foodals and use the template included with the species to most the well protects.



3. Cut the drysoil along the mark you made in 2019 2 to comb the manching appendix.



All Annu II- Mat Architectural Landgement

 Connecting queues to the amplifier as explained in Connecting to 1 Amplifier on page 5. 



in Snah-to-Unord Paulier

5. Main care all fair speaker charps are in their "ready to-nours"



Peak to March Peaker

- Isset the spacer straight into the neuring species, Taylor the spacer stars stress on the bart of the spacer tartle. The space camps will administratly state into posters and begin camping the species.
- When you redictions on the science the speaker has been cleaned according.

IMPORIANT: Always and low-torque sattings. NEVER overfailten the clama screws



 Attach the supplied pills. Powerful magnets is the species trane will secure hald the pills in place.



Painting The Critic

JR, architectural loadqueaker grites can be painted to match any deloa it you with to change the grite's calar, to safer finish will han too' as a primer cold. For the best results follow this procedure. 100

- Getty whow the scinicizth ton the back side of the pille before gentles.
- De a high-quilty appy paint and appy a thin and id saw finaue that the grins particularies ensue free of paint. Filing them with paint wit denies the speaker's sawd quality. If any performance discount, use conservation are to done the samt out of the environment.

Nubs If you find any grite performance that are plugged with paint after the paint has divid, carefully use a straight pin or sewing needle to remove the paint.

 We have included explorement union calms. After the paint has dread, apply a light call of spray adhesian to the inside of the performed griteand drawt a new union calm. MPORIANI News spray adhesive on the colm.

EXCERNINE OUTPUT LEVELS

You all subgraves here used being drawn and transacters and typquity strains response to fouring the other three with draw putters that indices the patients of damage to individual speaker draws and high the tacapations material that performance even under elements opening underkomments. Names of damageness that individual tacates to optimus pageoss. To observe these tonts, and pageoss are shown to optimus pageoss. To observe these tonts, and pageoss are shown

COTAINING SERVICE

To obtain service, contact an authorized all, desire Refer to Lincost allocately below for more information.

OMENSIONS

	Reading Spacing Reserves	Reading .	thank Rineralma
****	Politica and a second	1.505 (1.00)	
****	NUMBER OF STREET	1.1.197 (61141)	Politica Press
diana 1918	(Factory Manual (Factory Manual	101000	(References)

Dimensione any oubject to-change without notice. For complete-performance specifications, pieces-go to the JRL the stift wires (20.121).

LIMITED WARRANTY

In the GAX this poduct is covered by a similar 5-war warranty. Other countries may taken different poduct warranty periods, which are generated by local regulations. For more instruction asked praduct marranty please end www.biccen or cantact your dealer.

