



Pakistan Amateur Radio Society

HIGHLIGHTS 2012-2013

WHEN ALL ELSE FAILS !!

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PROCEEDINGS OF THE ANNUAL GENERAL MEETING 2013

The meeting started at about 10:00AM. Mr. Mujtaba Imran AP2MI, who took on as stage secretary for the AGM, greeted the audience, and requested AP2SBA to recite verses from the Holy Quran so that the proceedings could be formally started. Immediately after the recitation, the participants prayed, led by Jamil Pandav SWL for the silent keys that died during the last year. After that he invited Secretary PARS Mr. Khalid Shoaib AP2MKS for the formal inauguration of the session. AP2MKS sought approval for the already distributed minutes of the meeting and briefly mentioned the activities of the society during the last year. The accounts sheet was also scrutinized and approved by the consensus of all participants.

Address of the Secretary

"Respected Patron-in-Chief Pakistan Amateur Radio Society, Office bearers, fellow hams and honorable guests, ASSALAM-O-ALAIKUM, Mr. Patron Sir, it is the fifth consecutive year that I have the honor to present the progress report of our society for the year 2011- 2012. I would thus try to enlighten this assembly about the activities of the Executive body of PARS during the reported period.



General Management

Maintenance of PARS accounts, official correspondence, membership matters and general guidance to all hams regarding memberships are performed by our respected ham Mr. Hasnat Ahmad



Bugvi (AP2HA). He deserves all the thanks and appreciations for regularly doing this job, despite his busy official occupancy. Thanks to Mr. Tariq AP2MAT for his tireless efforts in routine society issues. Regional advisors are providing support and advice to new comers in their respective regions and they deserve due appreciation for their cooperation.

QSL Bureau

The QSL Cards are as usual received in society's Post Box No: 1450 at Islamabad GPO. The job of their collection, sorting and dispatch to individual OMs is performed by our Deputy Secretary, Mr. Muhammad Tariq (AP2MAT) who deserves all the thanks and appreciation for regularly doing this job. At the moment, there are no pending QSL Cards with the society due to his efforts.

Annual Accounts

The accounts sheet has already been circulated. The long overdue IARU membership fee for Region-III was paid by PARS. Thanks to AP2AUM for the help regarding the transaction, for PARS have no foreign currency account.

Liaison with PTA

Regular meetings have been held with PTA to address the issues relating with licensing. Regulatory issues have also been discussed. A serious issue of appropriate wording on License card

which caused problems to our HAMs at several occasions was also discussed with PTA. I am pleased to inform that PTA has approved to replace the wording "Amateur Radio License" with "Amateur Wireless License". Four new license are being issued with new wording. All HAM members will be informed for the replacement of their existing cards after formulation of a procedure with PTA. Placement of repeaters is also under discussion with PTA and is expected to be resolved very soon. PARS Executive Committee is in contact with PTA to resolve routine issues. An interference has been observed at 145.125 in Islamabad. With the help of PTA we approached FAB's Enforcement Department to remove the interference.

Web Site

The society's website was attacked by hackers but was handled properly and security measures were taken by the Mr. Shehzad Hamid AP2CJ service provider. It is also linked with facebook as per suggestions brought forward, last year. Thanks to Mr. Shehzad Hamid AP2CJ for his tireless efforts to maintain the website and face book page which has also opened a gate for international HAMS to get introduced with Pakistani HAMs.

Address of President

Honorable Patron, members of the executive, corporate members, SWL members of PARS and the worthy guests. I welcome all of you who have taken trouble to attend AGM especially those who have travelled long distances to attend the 42nd Annual General Meeting of Pakistan Amateur Radio Society.

As usual AGM provides an opportunity for members to meet each other plus exchange of different informations, views and ideas. The Radio Amateur Service provides favourable circumstances to PARS members to experiment in the vast Radio and Telecommunication field.

We had an opportunity to meet the Chairman of PTA by the courtesy of Khawaja Saad Saleem AP2KSD during the month of June 2012 with respect of the change of SWL membership period which was reduced to 2 years for the grant of Amateur License. Whereas there was no possibility of removing the bar on mobile operations. PTA's letter in this respect is posted on the website.

I am sorry that I have been laid down by sickness which started in the month of July and Alhmdollah I recovered fully in the month of December.

Therefore It was not possible for me to arrange any meetings of the Executive Members during this period. Mean while members have been active in conducting experiments and outdoor activities which will be highlighted.

During the month of January, 2013 PTA have made some changes in the Regulations and issued SOP for Amateur Radio Licenses. These are also posted on the website. Apparently PTA has changed SWL membership again to 3 years which will be discussed with RBS during the next meeting which we will try to arrange soon after AGM. FAB was informed about the interference and continuous operation on 145.125MHz by some organization but so far FAB has not been able to remove this interference. Pars members observed that VHF Handies and Base set being sold by Noman Electronic, Sarhad Plaza, Raja Bazar, Rawalpindi. This information was

conveyed to Director RBS. Radio Amateur Service provides opportunity to members for world wide Friendship plus experience in telecommunication. AP2 call is still one of the most wanted call in the World DX stations list. Members who have all the facility available with them should contribute sometime for contacts with Dx Radio Amateur's. Propagation conditions are favorable and contacts are possible on all the allotted bands. 40M conditions have much improved and local sked is conducted on 7,050KHz daily 07:45 and 17:15 hours. All members are invited to join the net for exchange of views and experience etc. My humble gratitude to our Worthy Patron Brig (Retd) Amir Gulistan Janjua AP2AGJ for his continued kind guidance and the all executive members for conducting the affairs of the society efficiently.

I wish all PARS members success in their achievements in the Radio Amateur Service field.

Address of Patron-in-Chief

The patron-in-Chief, AP2AGJ, Amir Gulistan Janjua started his address by greeting the participant. He termed the AGM as a great opportunity for him to meet many experienced hams once a year and learn new things from their experience. He greatly enjoyed meeting people "with plenty of knowledge and mountains of experience" and appreciated their tremendous zeal, efficiency and volunteering spirit. He mentioned and acknowledged the shortcomings. He said despite the handicaps we have the biggest advantage of being an amateur. He emphasized to be more organized as PARS has the potential to expand and progress. He also emphasized that rather than just having one day a year, there needs to be more get together's regionally so to have more social contacts between members and guests.

He thanked AP2AUM for his suggestions. He thanked AP2CJ for his efforts and appreciated his organized approach, he also appreciated Kashif for the efforts done in Lahore by the Lahore Chapter. He also congratulated the nominated positions.

While concluding his speech, he stressed on the social activities among members in all regions and thanked all participants from different parts of the country who travelled from far flung areas to participate in the AGM.

Nominations & Assignments @ AGM2013

Secretary PARS Mr. Khalid Shoaib AP2MKS invited President PARS Mr. Nasir Khan AP2NK for important announcements regarding office positions. AP2NK addressed the participants and nominated the following

AP2AUM as Vice President PARS

AP2MI as Coordinator PARS ISB

AP2MF as Coordinator PARS ISB

It was also decided by the participant regarding the following assignments

AP2SBA as Coordinator PARS LHR

ARS-Delta as Coordinator PARS LHR

AP2NAS as Coordinator PARS PSHW

AP2STA as Coordinator PARS PSHW

Action Items @ AGM2013

It was decided that senior citizens membership shall be waved off if they are active members of PARS.

Membership

Current PARS membership status is as follows (agm2013);

Licensed Members (HAMS): 187

Visitor Licenses: 1

Short Wave Listeners (SWLs): 594

Life Members: 33

Thanks to Pakistan Telecom Authority (PTA) for their cooperation in issuing HAM Licenses regularly. Eight (8) new licenses were issued by PTA during the last year

Sked's

40m sked has been re-activated. Country-wide QSO everyday at 0800 hours and between 1700-1800 hours on 7060 kHz.

2m Repeater at Murree TX 144.200MHz, RX 145.500MHz, Tone 100.

REGIONAL CORRIGINATORS

Lahore

Sohaib Ahmed aka AP2SBA

sohaibahmed351@gmail.com

Cell +92321 5704046

Adeel Khalid aka ARS-Delta

adeelkhalid74@hotmail.com

Cell +92334 4226212

Peshawar

Nadeem Akhtar Sadiqi AP2NAS

Phone: +92 (0)300 8591744

Email: ap2nas-psh@pakhams.com

Syed Tufail Ahmed AP2STA

Phone: +92(0)3005965545

Email: Syedtufailahmed@gmail.com

Quetta

Dr. M. Arif Mengal AP2MAA

Phone : +92 (0)3337835679

Email: arifmengal2@yahoo.com

Karachi

Tariq Khilji AP2TN

Phone: +92 (0)333 2345923

Email : ap2tn@yahoo.com

Faisalabad

Ghulam Hussain AP2GH

Phone: +92 (0)300 8666169

Email : ap2gh@yahoo.com

PARS ACCOUNT DETAILS FOR ONLINE TRANSFER

Account Title:

Pakistan Amateur Radio Society

Account # 0659065901007917

United Bank Limited.

SILENT KEYS

- AP2IUK Israrullah Khan Gandapur passed away on 07-01-2013
- AP2JA Muhammad Javed Ahsan passed away on 14-02-2014.
- AP2CJ Shehzad Hamid's mother passed away on 31-01-2014

PRESENTATIONS @ AGM2013

PARS AGM 2013 presentations are available for download @ DigiMag section
<http://www.pakhams.com>

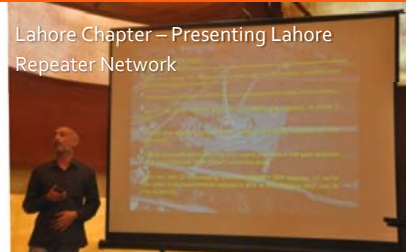
AP2AUM presenting PARS 2m/70cm Repeater network



AP2CJ Echolink Presentation



Lahore Chapter – Presenting Lahore Repeater Network



AP2MF



AP2MKS



Summer Camp 2013

Dear Fellow Hams,

We recently had the opportunity to visit a beautiful place in the north known as Kumrat. This area has not been explored properly as the terrain is very tough hence Pakhams in collaboration with IJC carried out the visit to the area to explore nature and to carry out DXpedition. Our hard luck was that owing to rain at the time of camping the HF DXpedition couldn't be done however to our amazement we were able to communicate with our fellow hams through 2 meter repeater hence fulfilling the requirement of VHF Dxpediton. The R3 repeater was covering the area almost 80% and we were able to get hooked with fellow hams in Islamabad area. We had a clear 5/5 QSO with one of the hams stationed in Islamabad. Since the Mobile coverage is not available hence cashing on the opportunity we engaged Islamabad hams for calling our families and passing on our wellbeing messages. There were almost 3 Hams (ap2nas, ap2cj and myself) and almost 20 SWL's that witnessed the communication. The SWLs also learned how propagation and weather effects the communication while parked at the same place. Over all the entire team enjoyed the communication, cw beeps and echolink announcements throughout the trip.



Some basic facts about Kumrat.

Valley Height above sea level is from 4500 feet till 8500 feet. Surrounded by mountains above 15000 feet Aerial distance from Islamabad 207 km Aerial distance from R3 100 km Signal report. 5/3-5/9 on 3 db gain antenna (nr 770) and output 50 watts Motorola GM 300 & Kenwood TM 271A. Frequency used was 144.850 simplex with tone 123.0

73s

AP2AUM

Ham-STILL PLAYS WITH 5 W!

Dear Hams,

Yes we do love to play with 5 W and this is what I learned being a ham to hit with the weakest link and improvise. Yes we did hit you before and will hit you again with 5 W ;)

Last night AP2SBA came to my (ARS-Delta) QTH to check my new antenna set up. We had nothing to test as already R4 Lima repeater was 5 9. We switched frequencies to R1 and started getting clicks and beeps on my handy. It was late night 2300hrs. We heard a call "ARS-Hotel calling and Standing by". I cant share the level of excitement and joy on establishing a contact with my co Aliens. The QSO went for good 1 hour non stop. Yes we were transmitting only 5 watts and signal report was 5 7 a good readable signal. After 20mins of QSO we attached an Amplifier giving output of 35watts to handy and signal report was 5 9 loud and clear both rx tx. And we continued transmitting for another 40mins when AP2EE joined us from Indiana. Just to remind you all that

we did hit R1 from Lima area with 5watts from home brew yagi but this time we were using an Omni directional antenna.

Here is list of junk we were using in Lima area.

- . Handy talkie Icom V80 not fully charged.
- . Dual band antenna Diamond X50.
- . Mast 31feet bamboo. From ground height of antenna is 55feet.
- . Cable Coleman RG213 80feet
- . PL259 connector Diamond gold plated.
- . Amplifier Mirage Dual band for HT.
- . Power supply-car battery.

Thank you AP2SBA, ARSHOTEL, ARSALPHA and AP2EE for getting up in late hrs of Ramazan for this successful test. Now I dont find a reason why R1 can not be connected to R4 directly. if we can make a contact with 5watts in poor propagation times then 50 watts of Repeaters should do the magic! Sleep tight because new hams are awake.

73s

ARS-DELTA and AP2SBA

Dear hams

In continuation to Lema area experiments using 5Ws on handy, today me and ARS AB decided that we will try to hit R1 and R2 and shall have QSO from our respective QTH in Lema area. Dear hams In continuation to Lema area experiments using 5Ws on handy, today me and ARS AB decided that we will try to hit R1 and R2 and shall have QSO from our respective QTH in Lema area. We started of clicks and got a confirmed report from AP2MKS the I was coming 59 through R2. Then AP2CJ joined us from indiana area and QSO went for another 1hr LOUD AND CLEAR. Last 20mins I attached 40watt amp to my handy but ARS AB was still 59 through yagi on 5watts.

Yagi set up was installed at AB QTH yesterday with the help of AP2SBA and ARS B. We mounted a 45ft Bamboo on 2nd floor roof top with clear 75feet height of yagi from ground level. 100ft of RG213 cable used. SWR was 1.1 before mounting the antenna and afterwards it was giving 1.5 (reason unknown). But still it was 59 on 5watts confirmed by AP2CJ and myself.

Thank you AP2CJ for ground support. Much appreciated.



The YAGI Story !!

Dreams inspire passion and a will to rise above all the boundaries. Yes...we do not have the "All Spark" like the transformers did...Yes. ..we have not been bitten by a mutated spider to enable us to cling to walls and through webs...Yes...we are no super heroes...but that does not mean that we should stop dreaming...

We dreamt to fly...if not in body than in spirit...and believe me when I say this...I did not feel any less of a Super Hero when I heard the clicks from the Murree repeater today afternoon.

Inspired by none other than our beloved Deedee (Adeel Khalid) urf baba-e-mog.... the rest of us all gathered at his place about a 10 days ago to watch him make the tool which would make our voice fly across some 180 odd miles...in an hour or so the first Yagi was made and we successfully tested it on Lahore Repeater..

With that crisp sound of qso with the help of Yagi via Lahore Repeater...our cherished prize still laid almost a couple of hunder miles farther...the Murree Repeater...

A week passed by with little or no activity... and finally I moved my lazy self today after a cheerful (read threatening) call from Deedee..."Errect kar day ab...Yagi ko... warna mein aata huin"...and my humble reply was..."you had me at Errect..."

And a 30 minutes later I made a confirmation call to Deedee...who told me to point it to the Murree Repeater...and I seriously thought at first taht he was joking...to my surprise he was not and I did as was told....google maps zindabad...

Deedee requested AUM who came on air and bingo. ..I heard his crisp and clear voice...AUM advised us to tune up the frequencies of the handy and try TX also...



We did and it worked...alhamdolillah...felt like having wings...

Keep dreaming....keep clicking...

Mera paighaam muhabat hai....jahan tak puhanchay...

73s

Field Day 2013



AP2TAJ, AP2RP, AP2ALI

(40 M, Band 7.060 MHZ) (20 M, Band 14.222 MHZ)
(17 M, Band 18.160 MHZ) (15 M, Band 21.222 MHZ)
(12 M, Band 24.990 MHZ) (2 M, Band 145.500 MHZ)
(70CM Band 438.000 MHZ)



Field Day 2013 was conducted by the Haripur Chapter led by AP2TAJ, AP2RP, AP2ALI

PARS HAM Trainings 2013

PARS conducted 02 trainings (level 1 and level 2) during the year 2013/14

Quater1 - Training Level 1 – Basics, VHF/UHF & Repeater - @Murree



Quater2 - Training Level 2 - HF Operations - @Islamabad



The TECH Corner!!

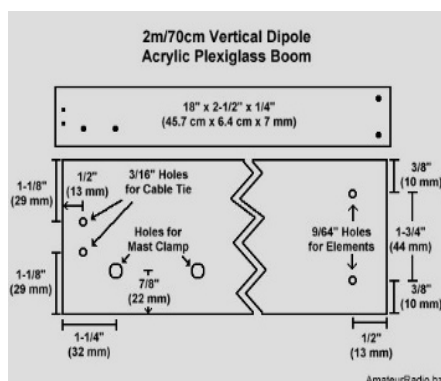
2m/70cm Vertical Dipole Antenna

(Courtesy KGoZZ)

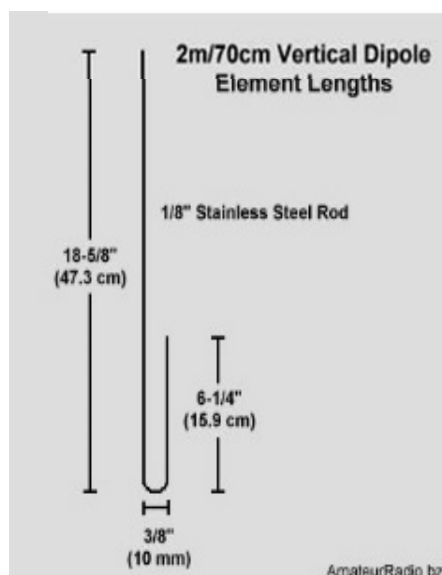
This easy to build dual band VHF/UHF antenna makes a great project for the new ham that is ready to get on the 2 meter and 70 centimeter amateur radio bands. It can be mounted on a roof top for use as a fixed antenna and it also folds conveniently for travel making it an excellent backpack antenna. The design is simple and so is construction.

The antenna elements are made of 1/8" diameter stainless steel rod. Each rod is bent into a tight "U" shape and fastened to the acrylic plexiglass boom with stainless steel hardware. Flat washers large enough to fit across the gap in each element are used to hold the elements in place. A piece of 1/4" thick cast acrylic plexiglass, 18" long and 2-1/2" wide, is used for the boom.

Drill the holes in the boom as shown in the diagram. The position and hole size for the mast mounting clamp is determined by the size and width of the clamp or U-bolt that you use. I used a TV antenna mast clamp that fits a 1-1/4" mast.



Probably the hardest part in making this antenna is bending the stainless steel rod. But the rod can be bent without heating it first with a torch. I was able to bend the rod by placing it in a bench vise. The tricky part is to bend two pieces of rod that come out looking similar in shape. Use two pieces of stainless steel rod that are longer than needed then trim them to correct lengths after the rod has been folded into a U shape. Make each element section as shown in the next diagram.



The hardware for mounting the antenna elements to the boom is also used to connect the feed line to the antenna. The coaxial cable center and shield are separated and the leads kept as short as possible. Crimp-on ring connectors, with the plastic insulation removed, are soldered to the ends of the cable. The coaxial cable center lead is connected to the top section and the shield is connected to the bottom section of the antenna. This antenna was fed with RG-8X (Mini 8) 50 ohm coaxial cable. The feed line used was a random length and was not cut to any specific length.

I used mostly all #6 stainless steel hardware to attach the antenna elements to the boom. Start by placing an external tooth lock washer on a machine screw then insert it into the hole drilled in the boom. Next install a flat washer, then the antenna element, then another flat washer. The ring connectors with the coaxial cable attached go on

next then finally fasten with a split lock washer and a wing nut. Repeat for the opposite side.



To tune the antenna for minimum SWR simply loosen the wing nuts and slide the antenna elements in or out as needed. Keep in mind that changes made to one band will affect the other band. For example if you shorten the 2 meter length then you also shorten the 70 cm length. Some fine tuning by again trimming either the 2 meter or 70 cm sections may be done if desired but this should not be needed.

Parts List

All stainless steel element mounting hardware. Use larger size hardware if flat washers do not extend across both sides of the antenna element.

2 each 1/8" Stainless steel rod, 3' (.9 m) long.

Acrylic Plexiglass, 18" x 2-1/2" x 1/4" (45.7 cm x 6.4 cm x 7 mm).

2 each #6 x 32 x 1" (25 mm) Machine screws.

2 each #6 x 32 Wing nuts.

4 each #6 Large flat washers.

2 each #6 Split lock washers.

2 each #6 External tooth lock washers.

2 each #6 Crimp-on ring connectors.

Mast mount clamp.

Plastic cable tie or small U-bolt.

Echolink

CONDOR CONNECTION-EcholinkNode AP2CJ-R in AP Land

I had been watching the world of HAM radio to utilize the newer connection methods available to expand the VHF/UHF coverage and to connect to the community world wide. Unfortunately in AP land (Pakistan), there were a lot of registered HAM users on Echolink but as the main romeo was located in the Islamabad area covering Peshawar and similar parts, the southern side was neglected. while the HF option is there, the 2meter activity was only with the romeo. So belonging to the I.T industry, I decided to put up an Echolink node linking to the isloo romeo. It took me a while to get the Echolink with EchoProducer and Weather exchange to work but finally with long hours throughout the day and night, the final product is online. DTFM codes do need a little tweaking and will

future put up more Echolink nodes across Pakistan with localized repeaters to make one big community. Special thanx to AP2AUM and AP2MIZ for their support.

The node is 24/7 operational and today (22 Aug 2012) I witnessed an excellent communication between members of this community from Karachi, Islamabad, Peshawar, Lakki Marwat and other areas on 2meter.

Words of Appreciation

AP2SK text:

"i must admit the wonders u guys have done! my profound congrats to you n' yr team.this was an amazing achievement,plz just keep it up.u may brief me at an eyeball contact abt this venture when we meet. Allah willing. i suggest you name the entire network as "THE CONDOR CONNECTION"."

For those who donot know what Echolink is:

EchoLink is a free computer-based Amateur Radio system that allows radio amateurs to communicate with other amateur radio operators using Voice over IP (VoIP) technology on the Internet for at least part of the path between them. It was designed by Jonathan Taylor, a radio amateur with callsign K1RFD.

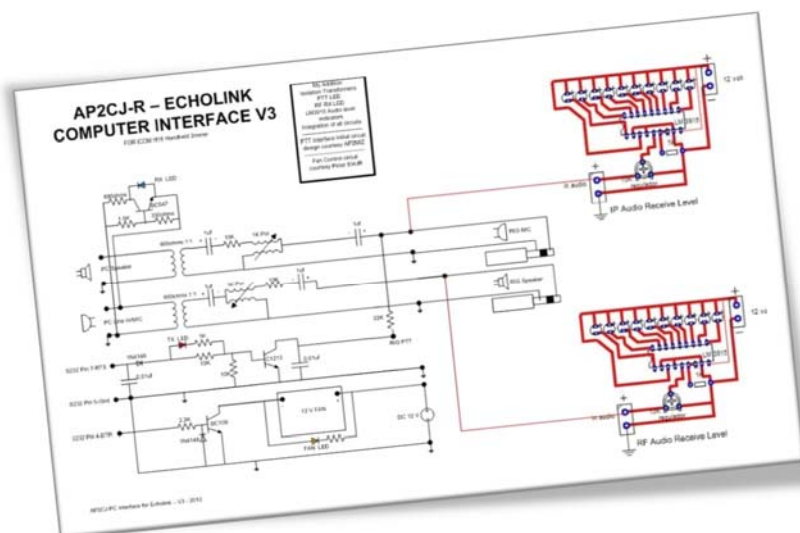
The system allows reliable worldwide connections to be made between radio amateurs, greatly enhancing Amateur Radio's communications capabilities. In essence it is the same as other VoIP applications (such as Skype), but with the unique addition of the ability to link to an amateur radio station's transceiver. Thus any low-power handheld



amateur radio transceiver which can contact a local Echolink node (A node is an active Echolink station with a transceiver attached) can then use the Internet connection of that station to send their transmission via VOIP to any other active Echolink node, world-wide. No special hardware or software is required to relay a transmission via an Echolink node. Before using the system it is necessary for a prospective user's callsign to be validated. The EchoLink system requires that each new user provide positive proof of license and identity before his or her callsign is added to the list of validated users. There is no cost for this service, and it ensures that this system is used only by licensed amateur radio operators.



get to them eventually. The main concept behind it was to provide the remote users in the southern portion of Pakistan the option to connect to HAM members here on romeo, over the internet across the world and in



Details @ <http://icemanjeep.blogspot.com/>

Homemade antenna switcher (Courtesy Gw0wvl)

The box came from Maplins, The switch is a double pole, double throw and is rated for 16amps and the connectors are SO239's. The switch is arranged so that the un-used socket is shorted (Grounded). I regularly run the full UK legal limit of RF power through it with no signs of any problems, Its usable up to 30 mhz.



PARS (PAKHAMS) WEB PRESENCE

PAKHAMS Website	- http://www.pakhams.com
PAKHAMS Email Information	- info@pakhams.com
PAKHAMS Website Webmaster	- webmaster@pakhams.com
PAKHAMS Newsletter/DigiMag	- editor@pakhams.com
PAKHAMS Group	- group@pakhams.com
PAKHAMS Facebook	- https://www.facebook.com/pakhams

Pakistan Amateur Radio Society

P.O Box 1450
Islamabad, Pakistan

www.pakhams.com



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editor@pakhams.com